

FIG. 1  
(PRIOR ART)

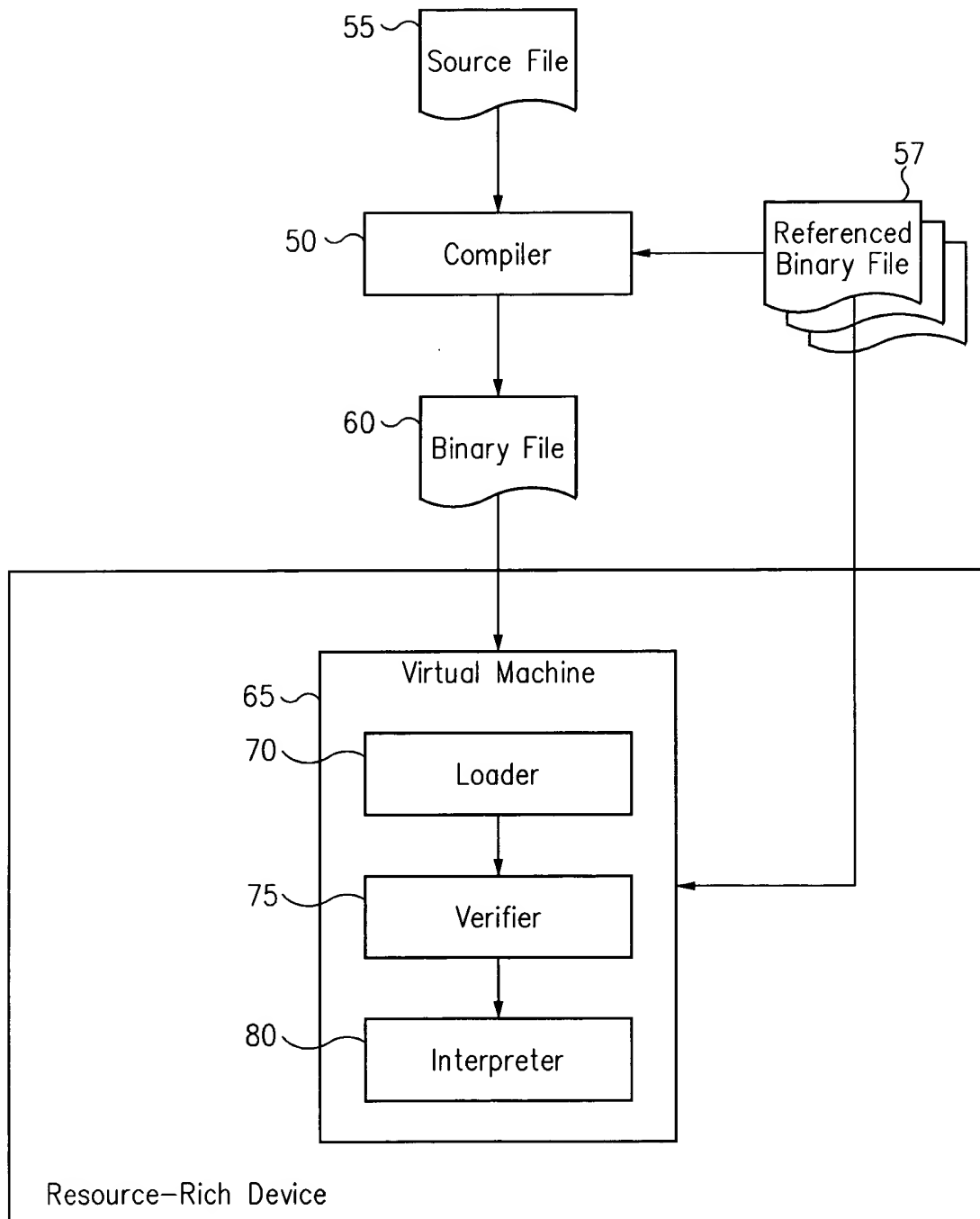


FIG. 2  
(PRIOR ART)

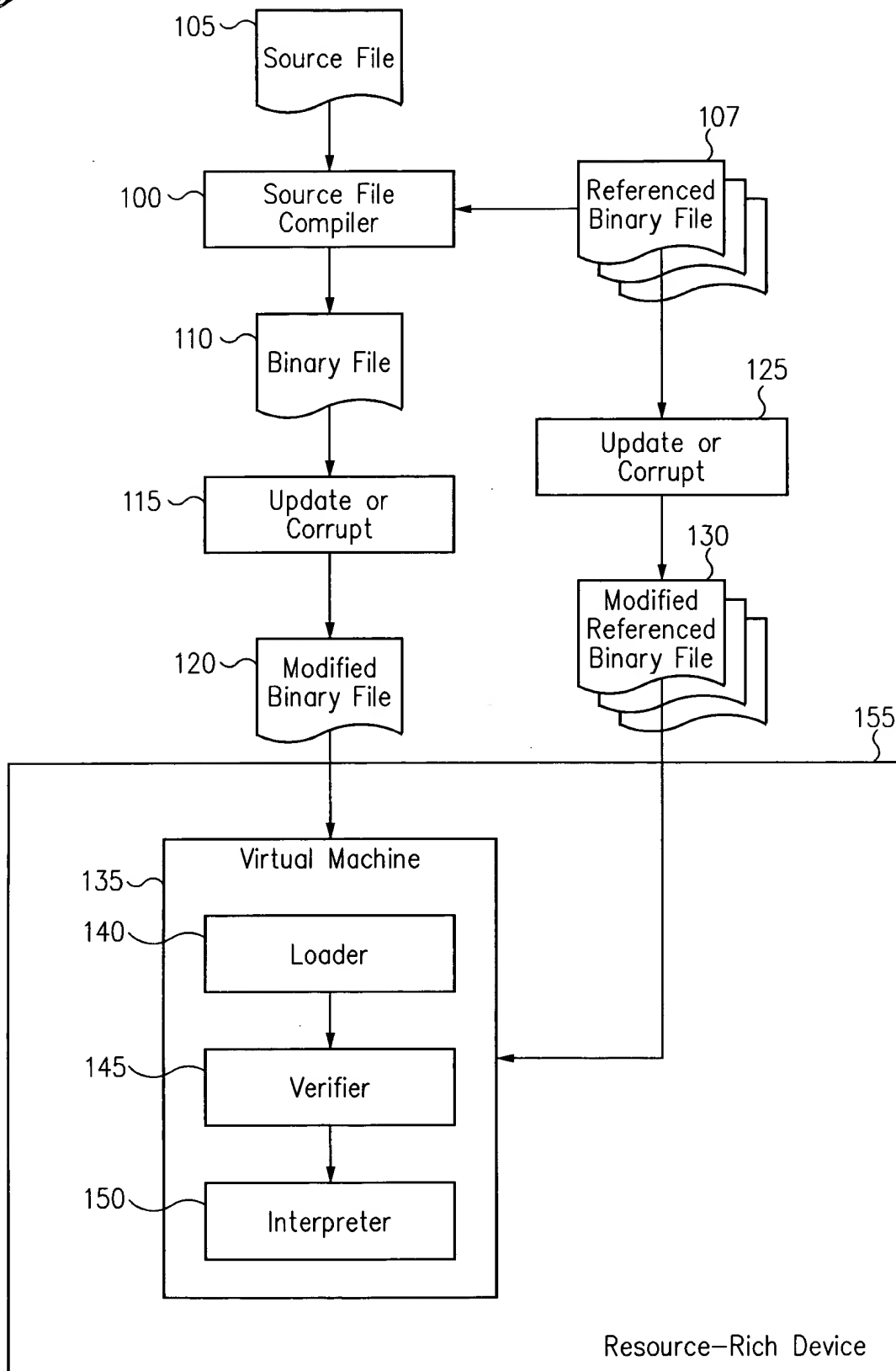


FIG. 3  
(PRIOR ART)

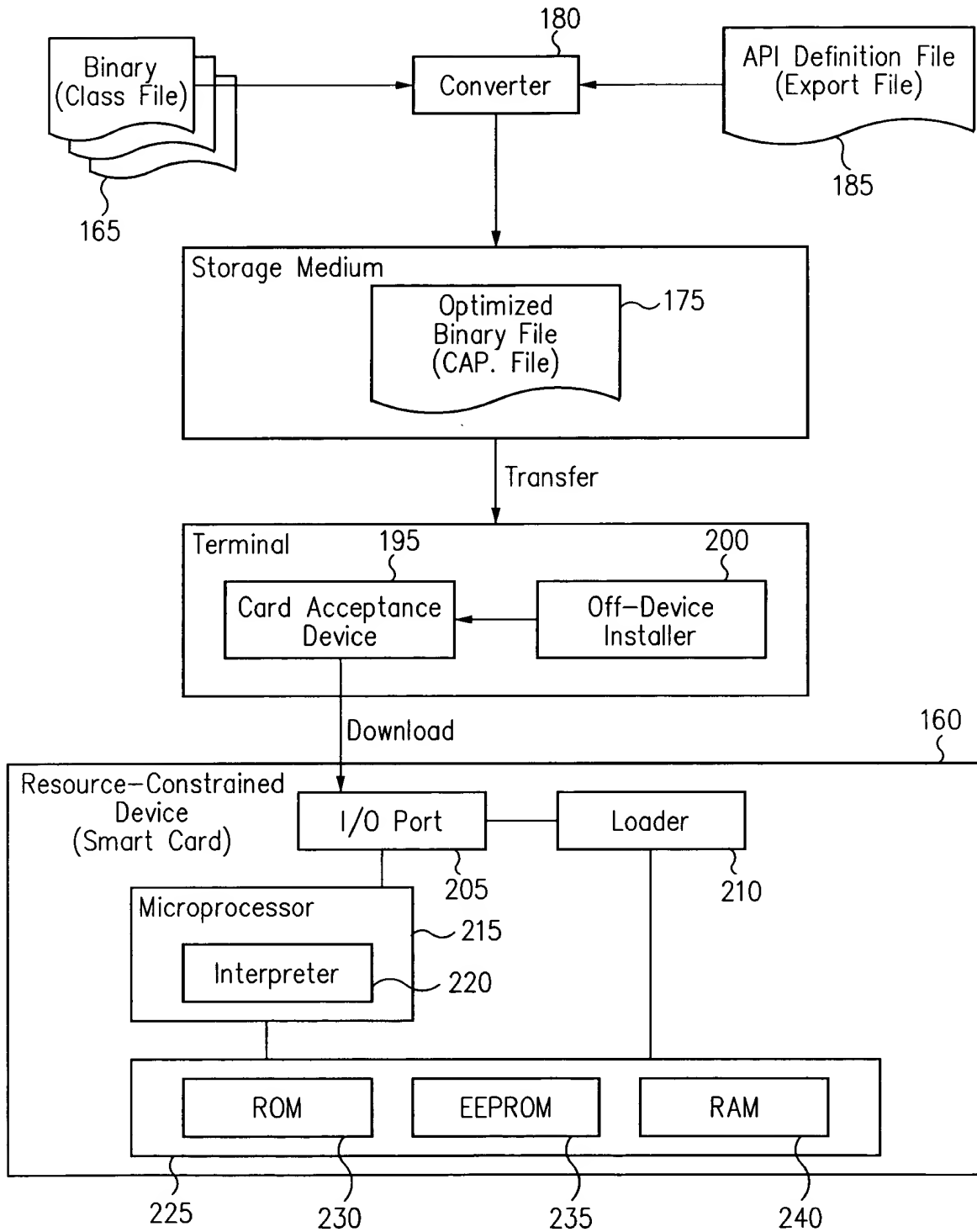


FIG. 4  
(PRIOR ART)

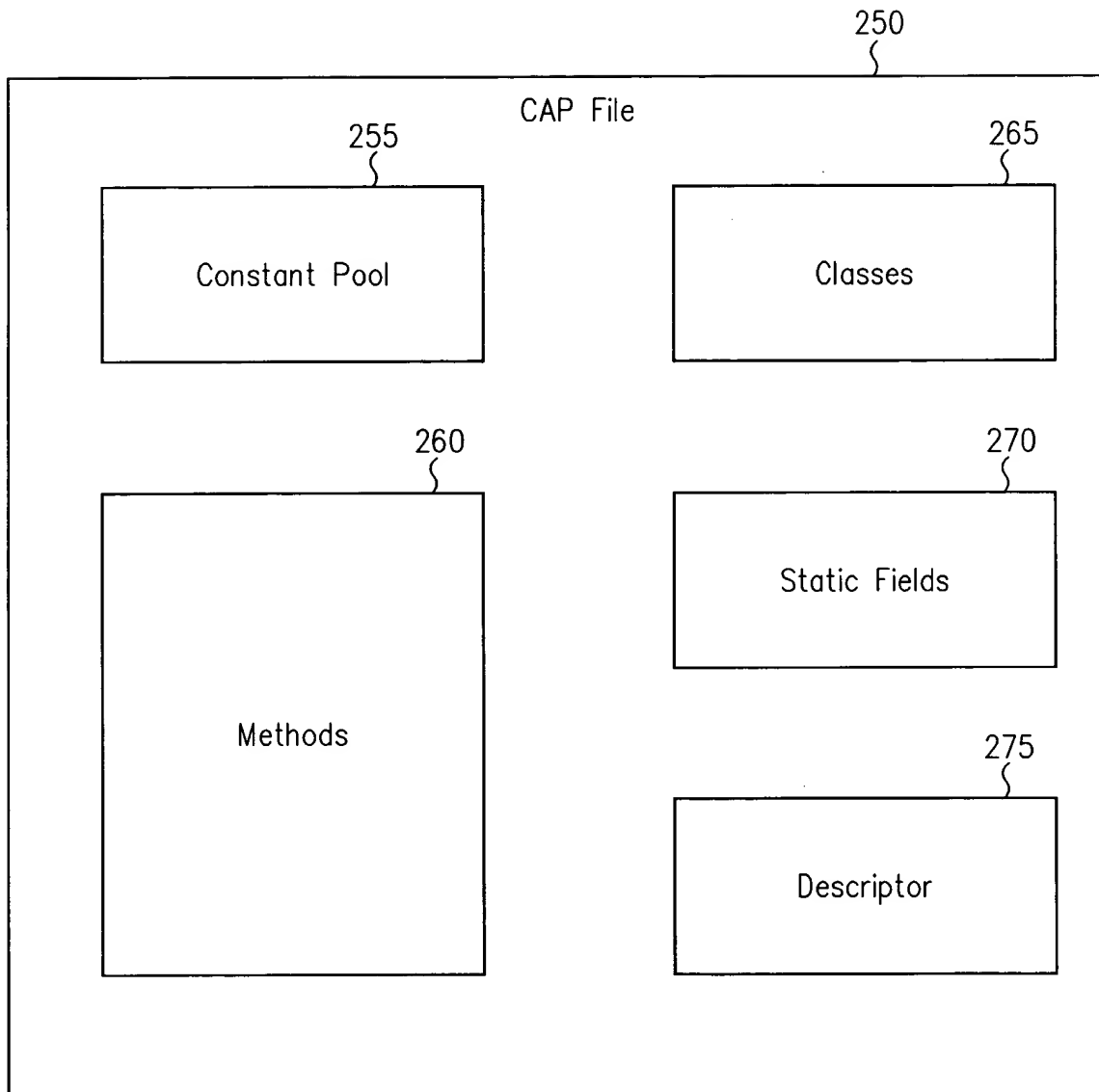


FIG. 5  
(PRIOR ART)

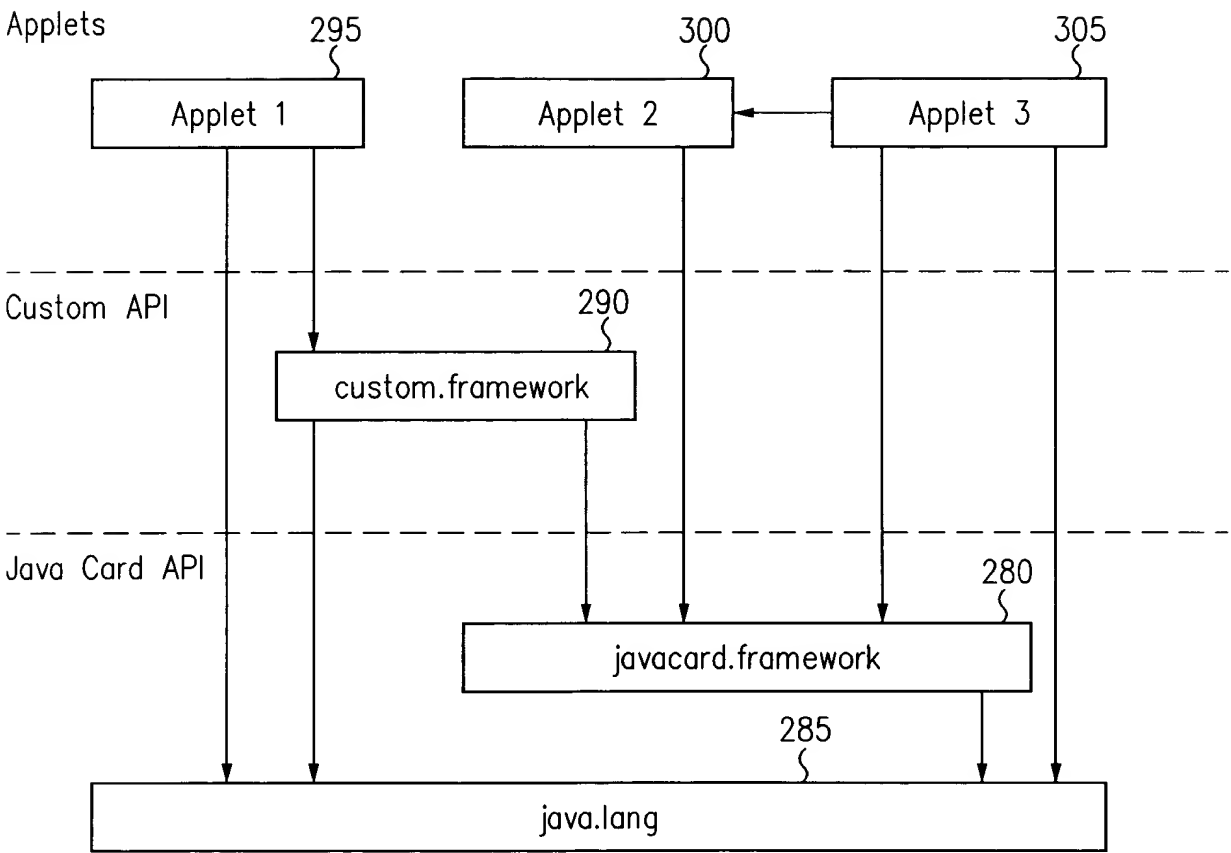
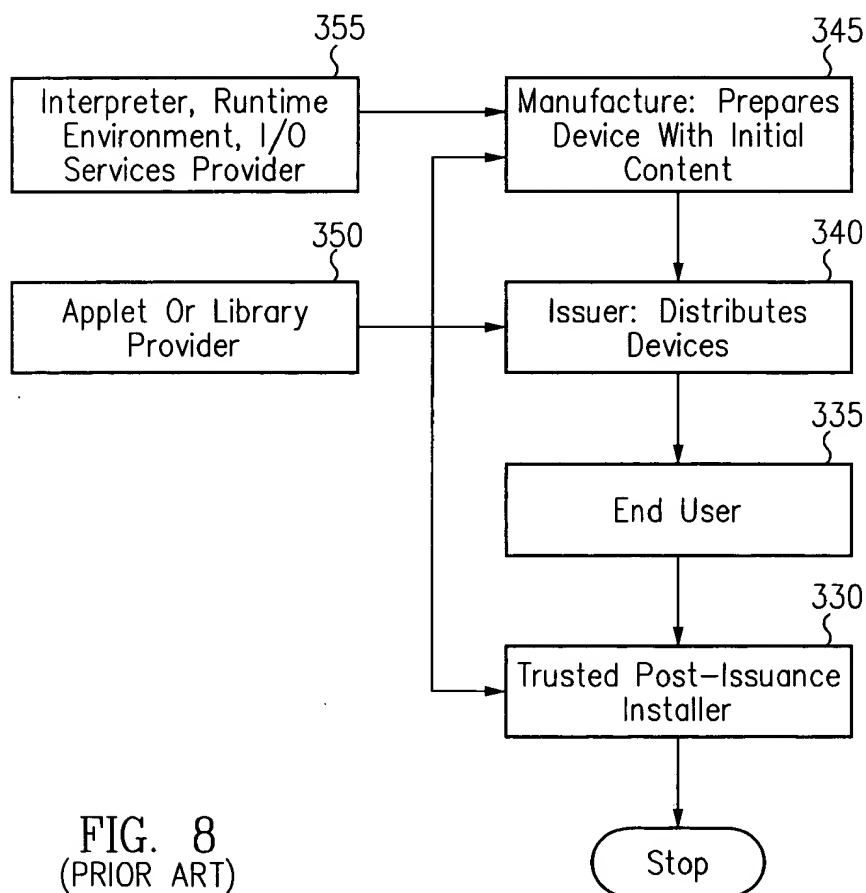
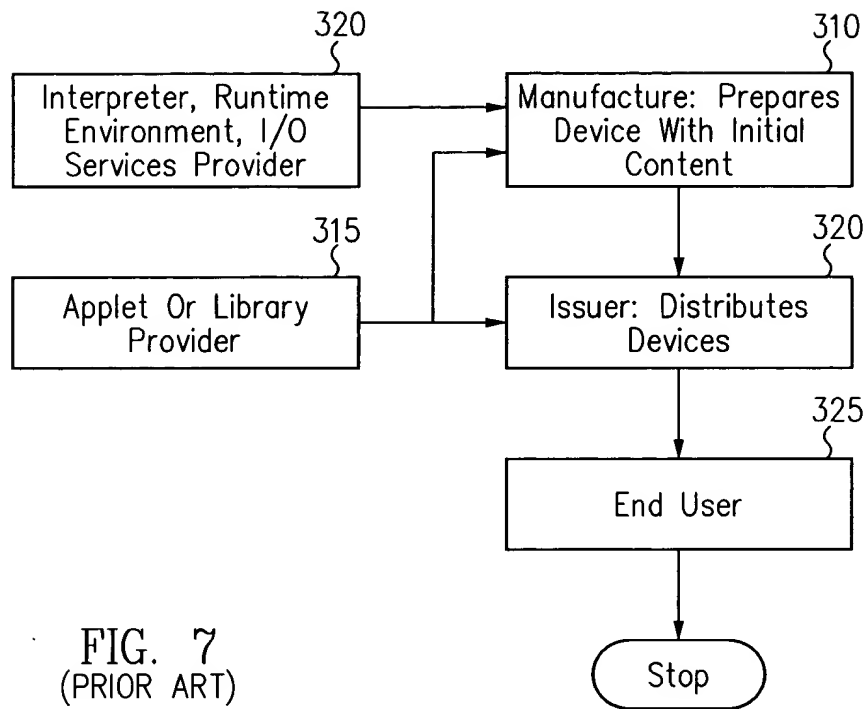


FIG. 6  
(PRIOR ART)



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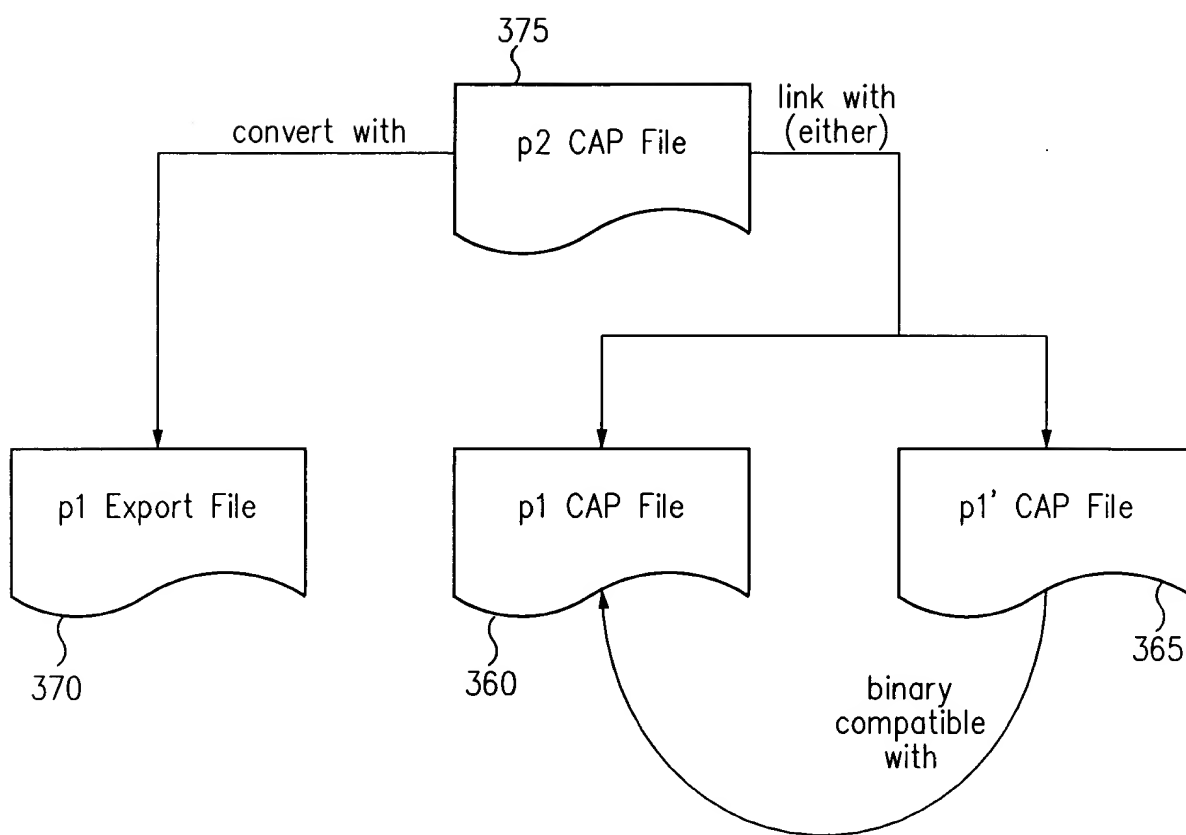
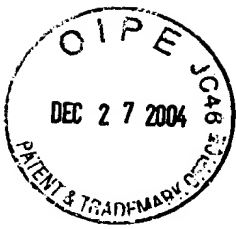


FIG. 9  
(PRIOR ART)





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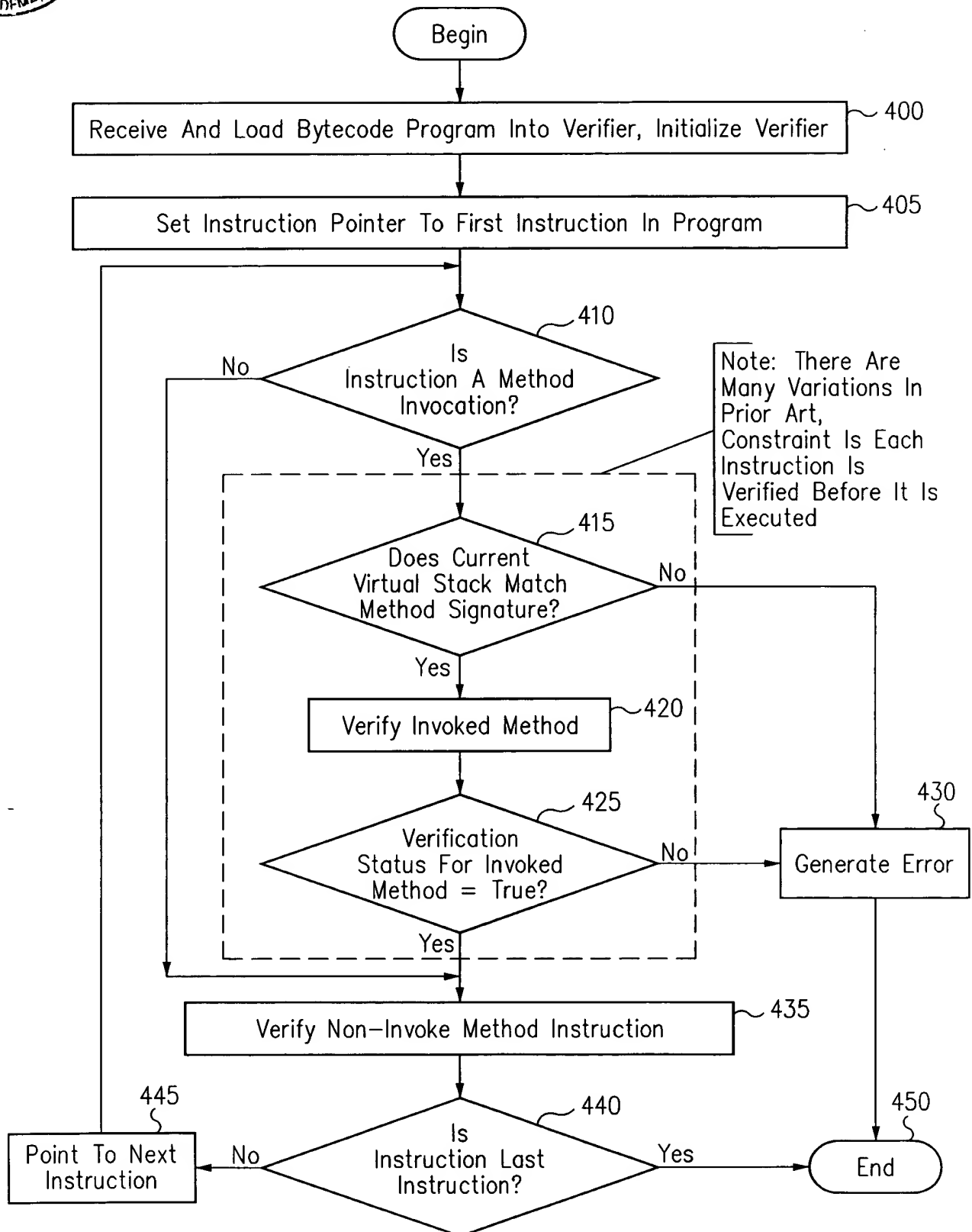


FIG. 10A  
(PRIOR ART)



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```

package a1; ~ 505
import L0;

class A1 extends Object { ~ 580
    void A10 (short s) { ~ 555
        byte ba[] = A11(s); ~ 560 ~ 530
        ...
        return;
    }
    byte[] A11 (int i) { ~ 610
        byte ba[] new byte[i];
        ~ 565 ba[0] = (byte)classL0.L01(this);
        ~ 540 return ba;
    }
    ...
}

package L0; ~ 500
public class classL01 { ~ 575
    public static int L01 (Object o) { ~ 595
        int i; ~ 595
        float f = L02(i,o); ~ 585
        ~ 550 return i;
    }
    private static float L02 (int i, Object o) { ~ 605
        float f; ~ 605
        ~ 600 return f;
    }
    ...
}

```

510 } Virtual Stack { Before	515 } After
560 { int   ... }	ref: byte[]   ... }
570 { ref: A1   ... }	int   ... }
590 { ref: Object   int   ... }	float   ... }

FIG. 10B  
(PRIOR ART)

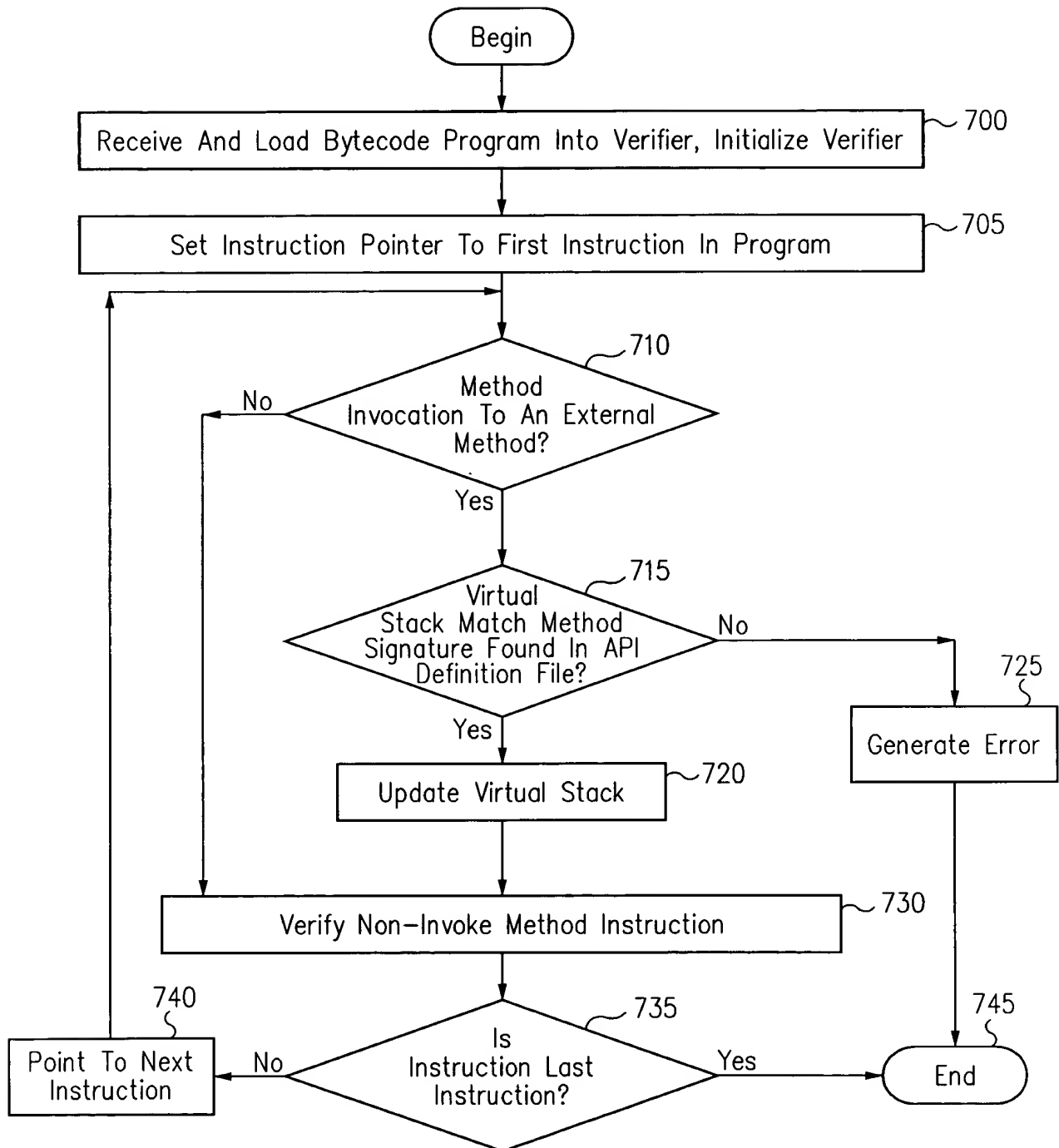
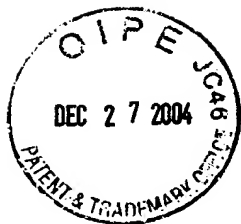


FIG. 10C



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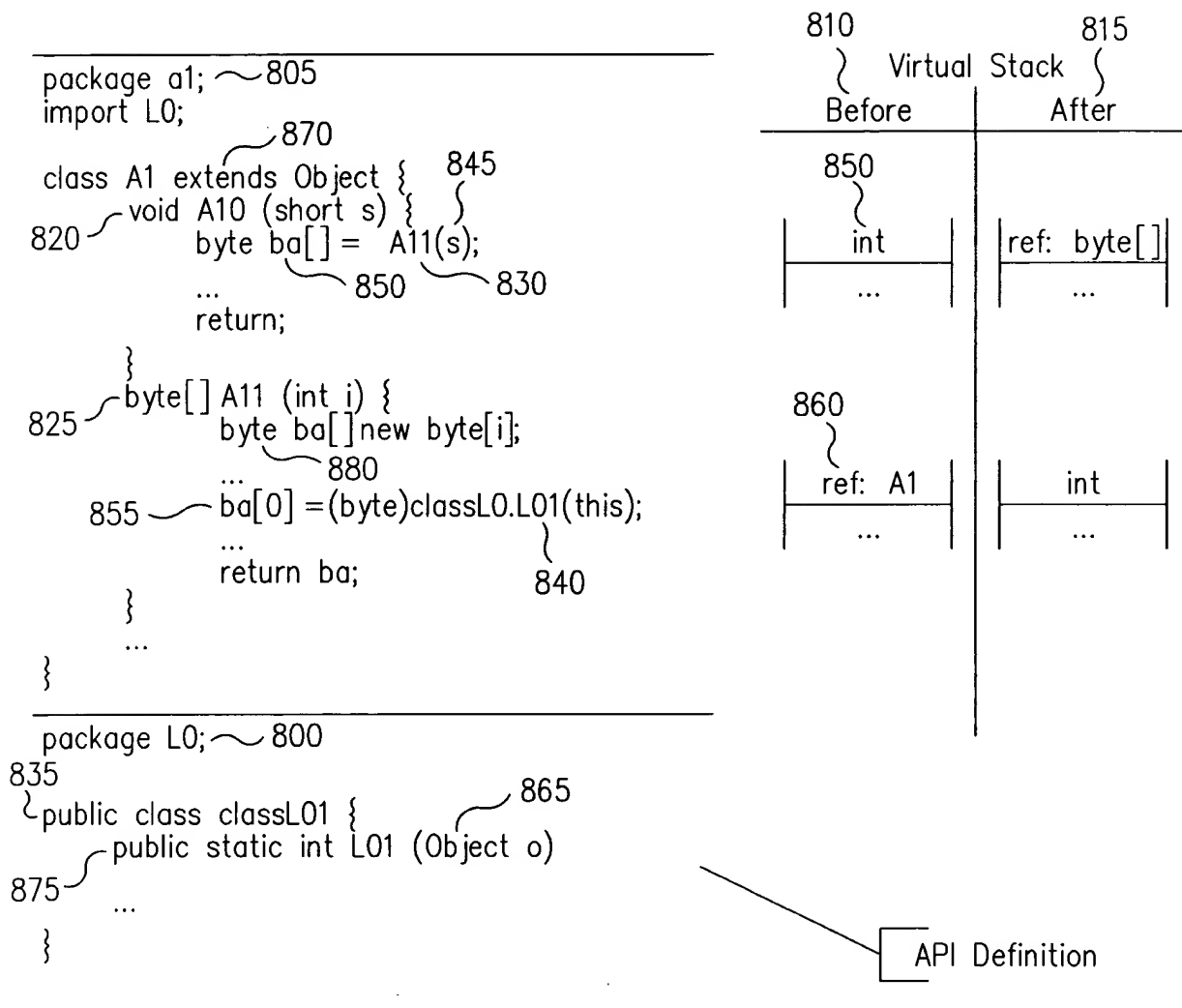


FIG. 10D

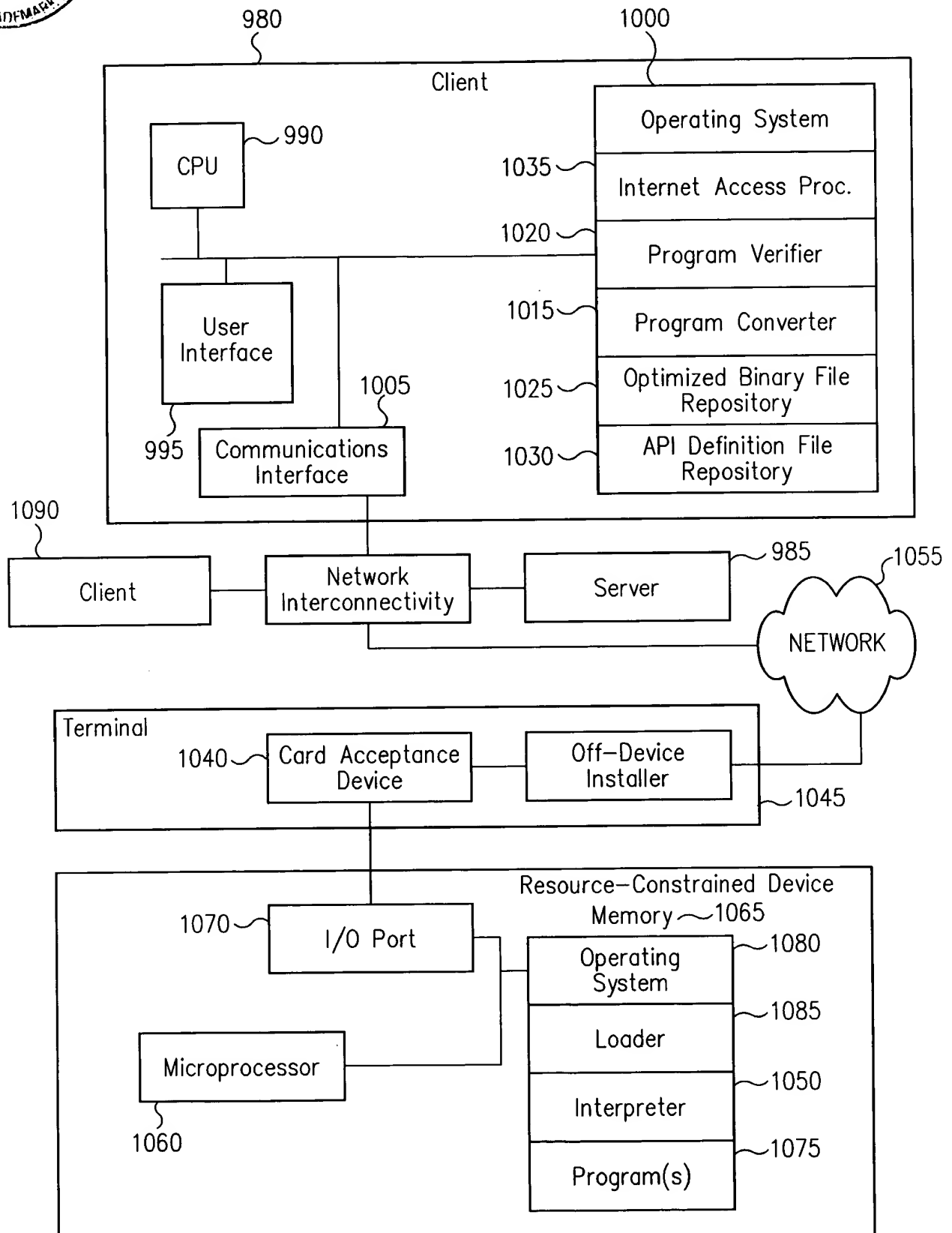


FIG. 11A

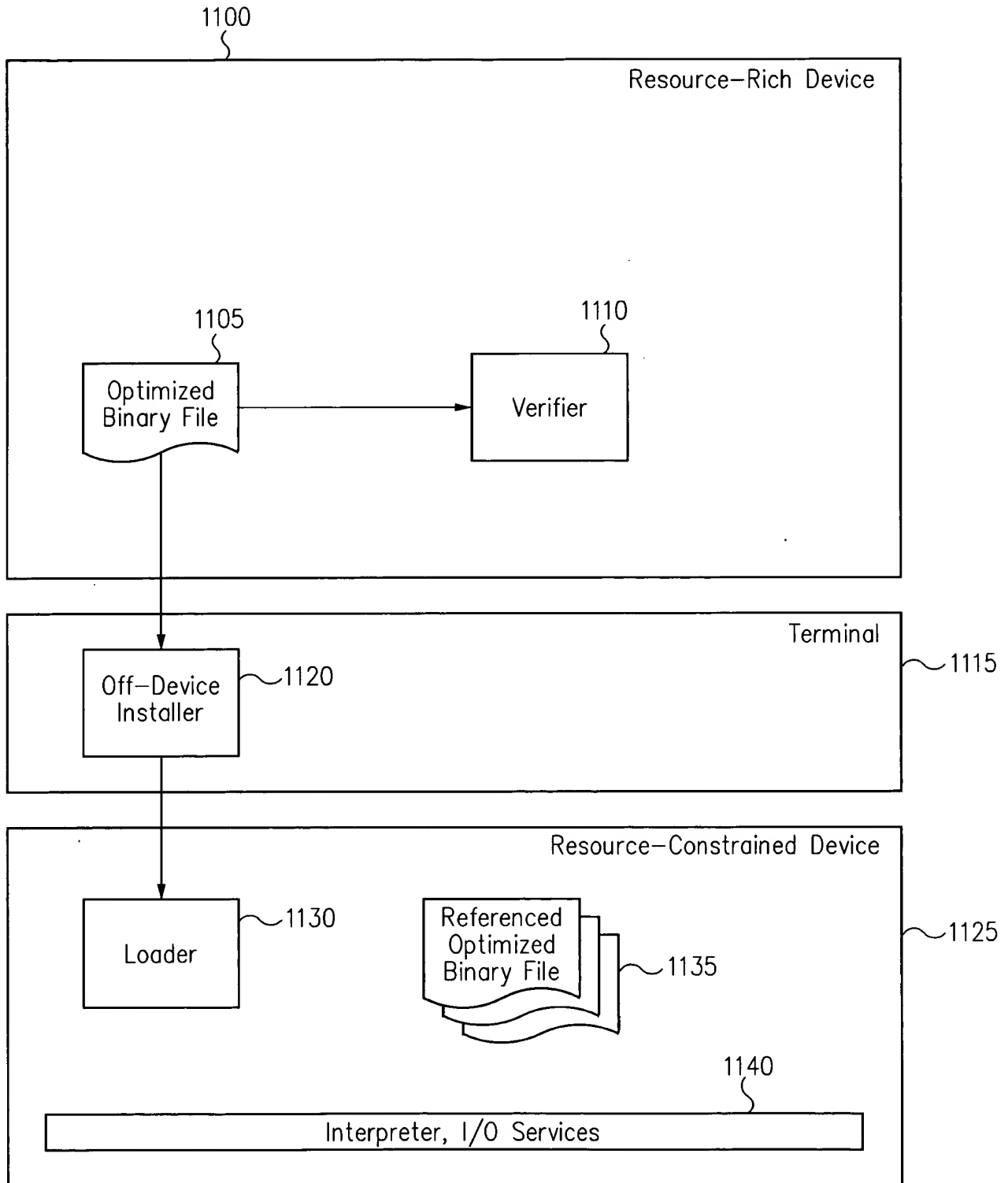


FIG. 11B

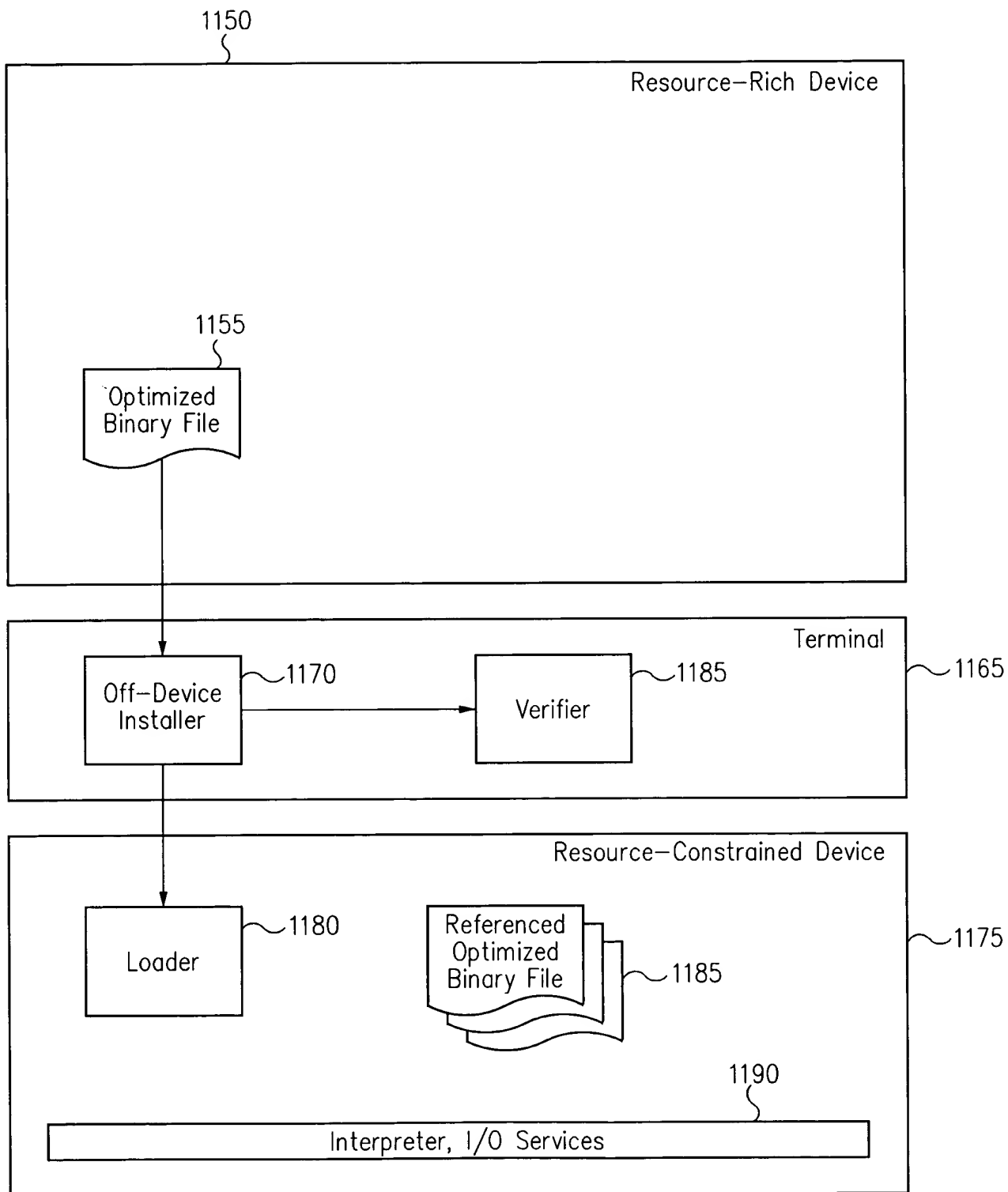


FIG. 11C

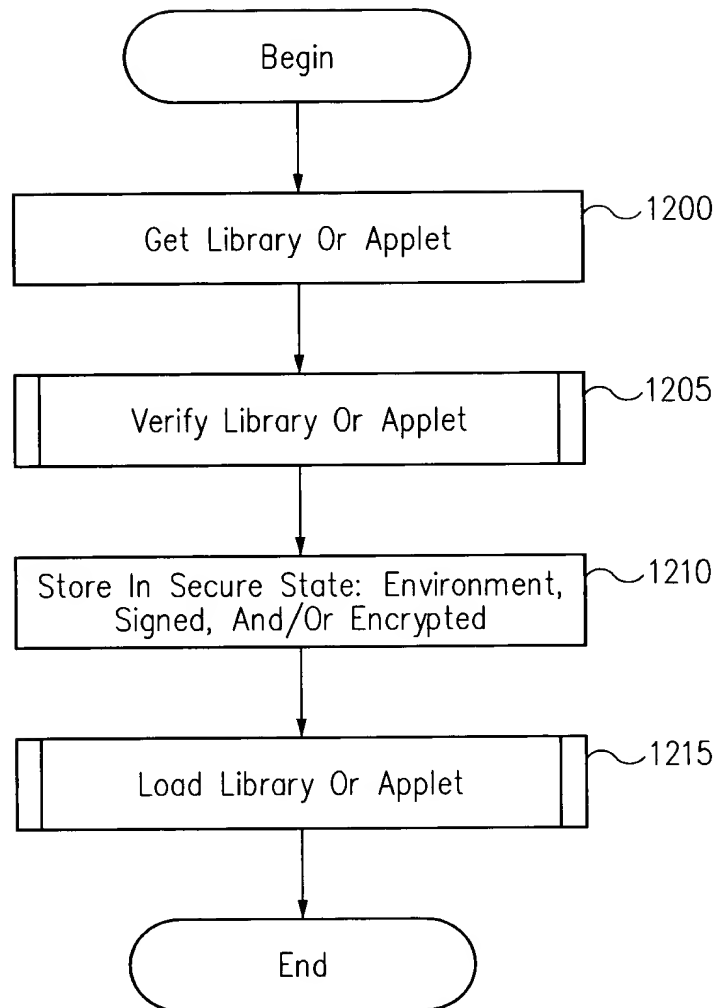


FIG. 12



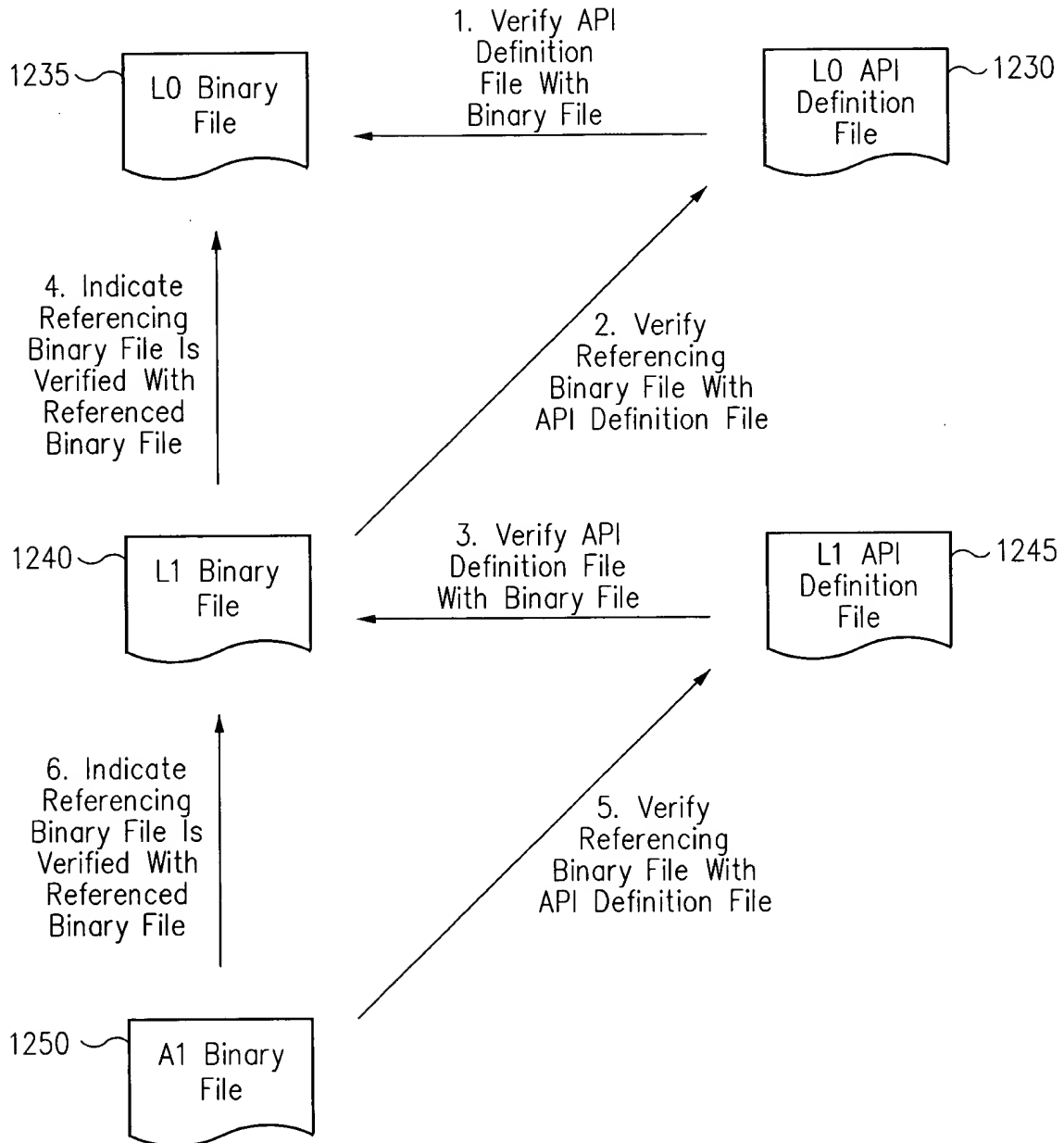


FIG. 13A

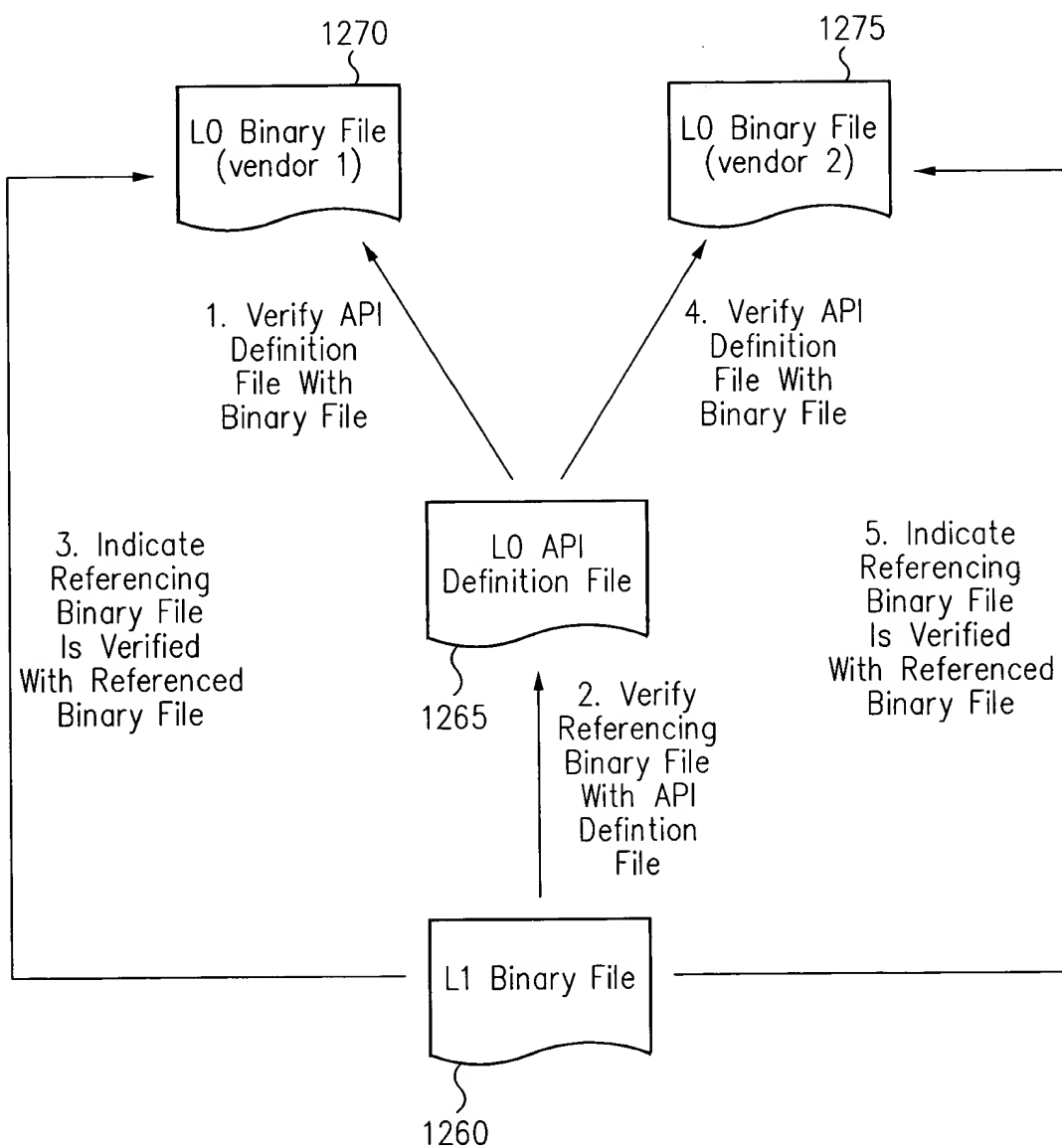


FIG. 13B

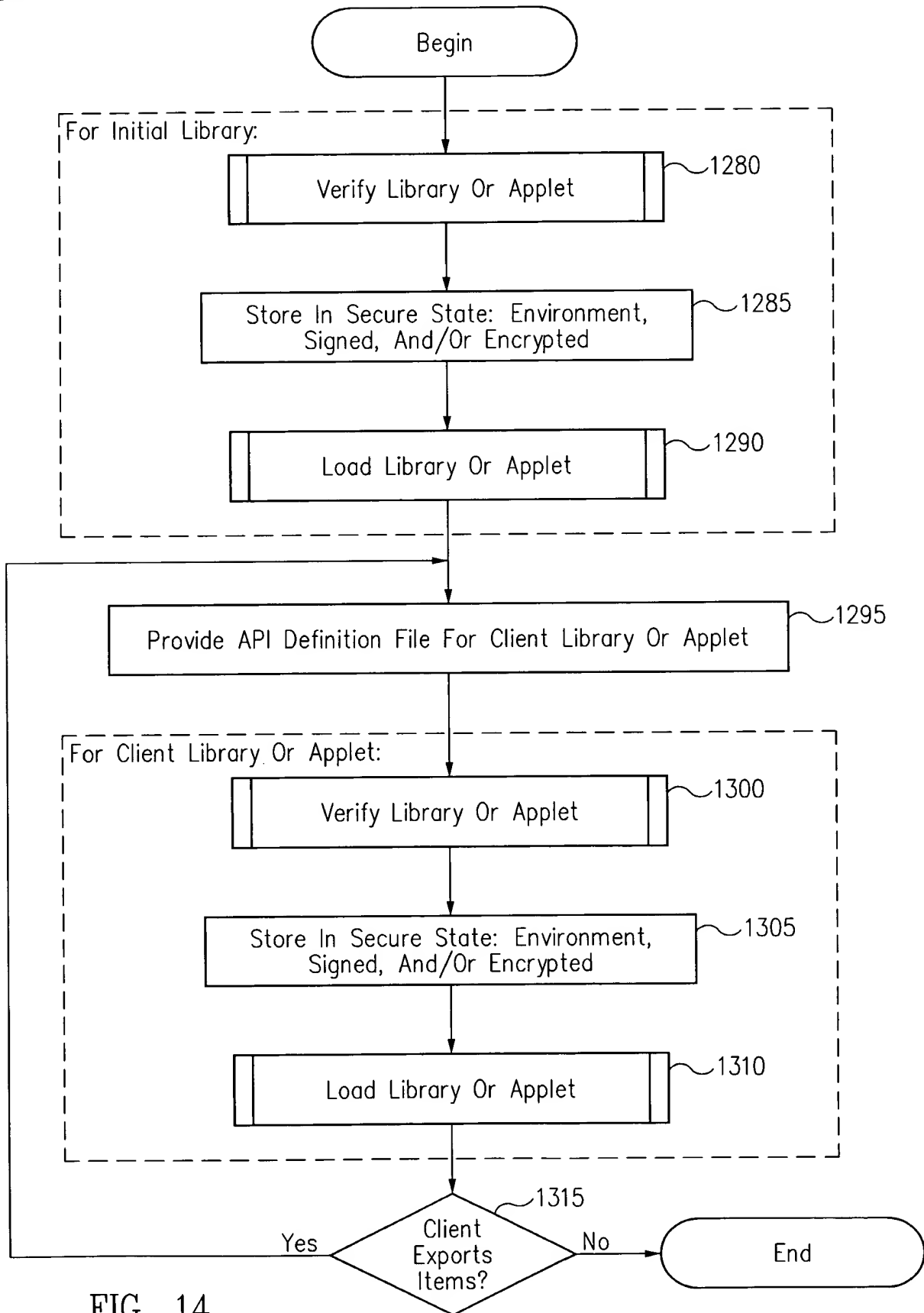


FIG. 14

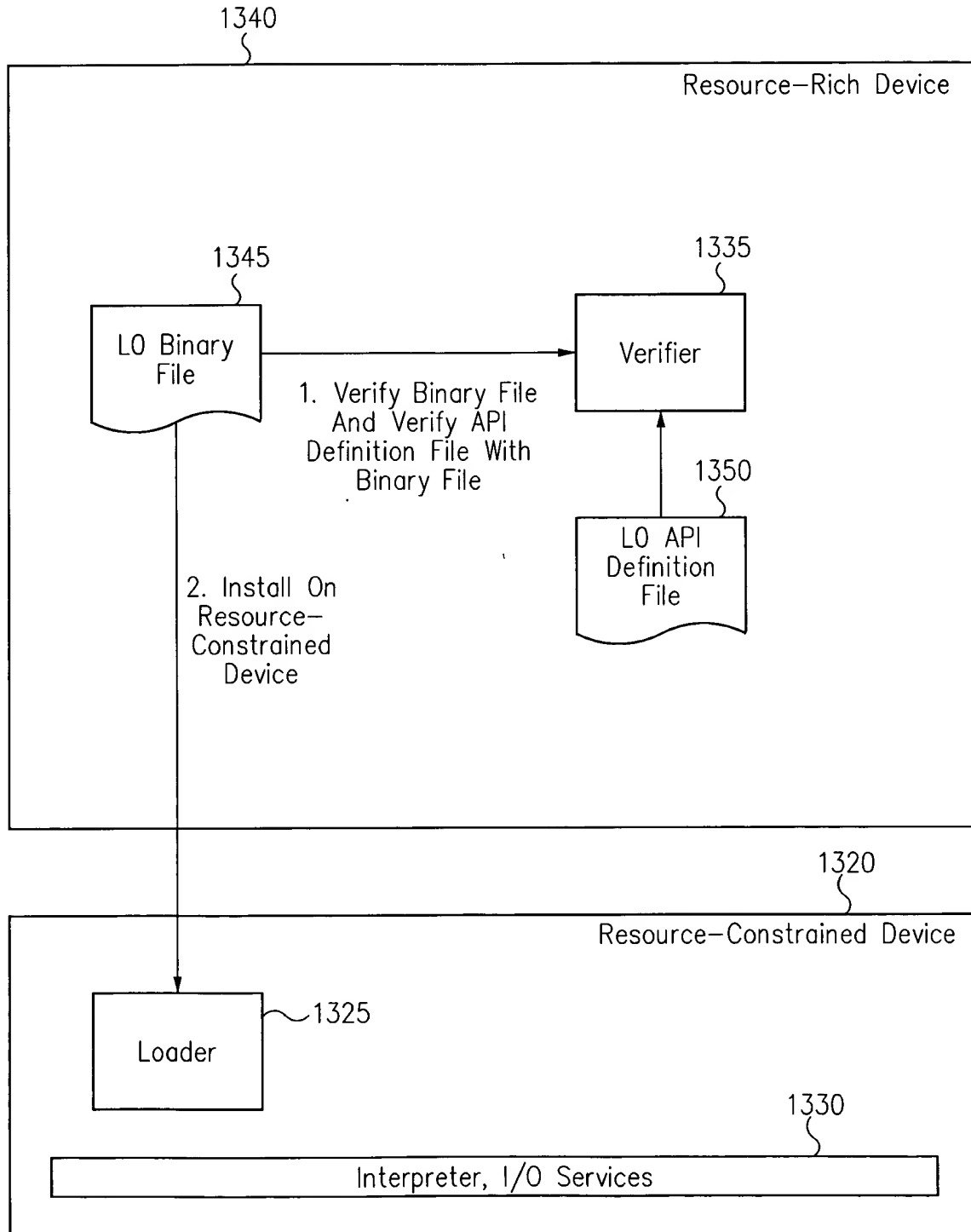


FIG. 15A

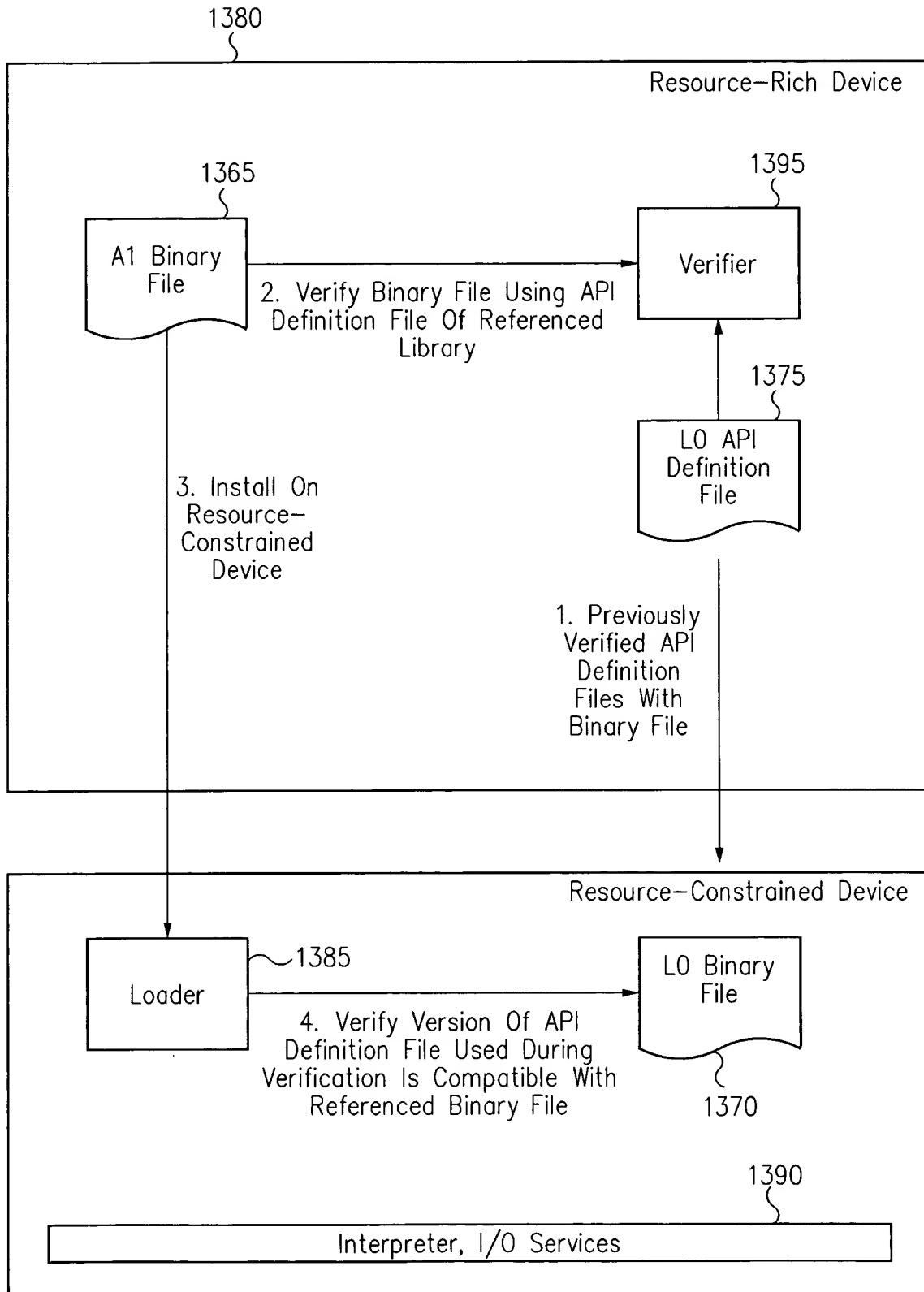


FIG. 15B

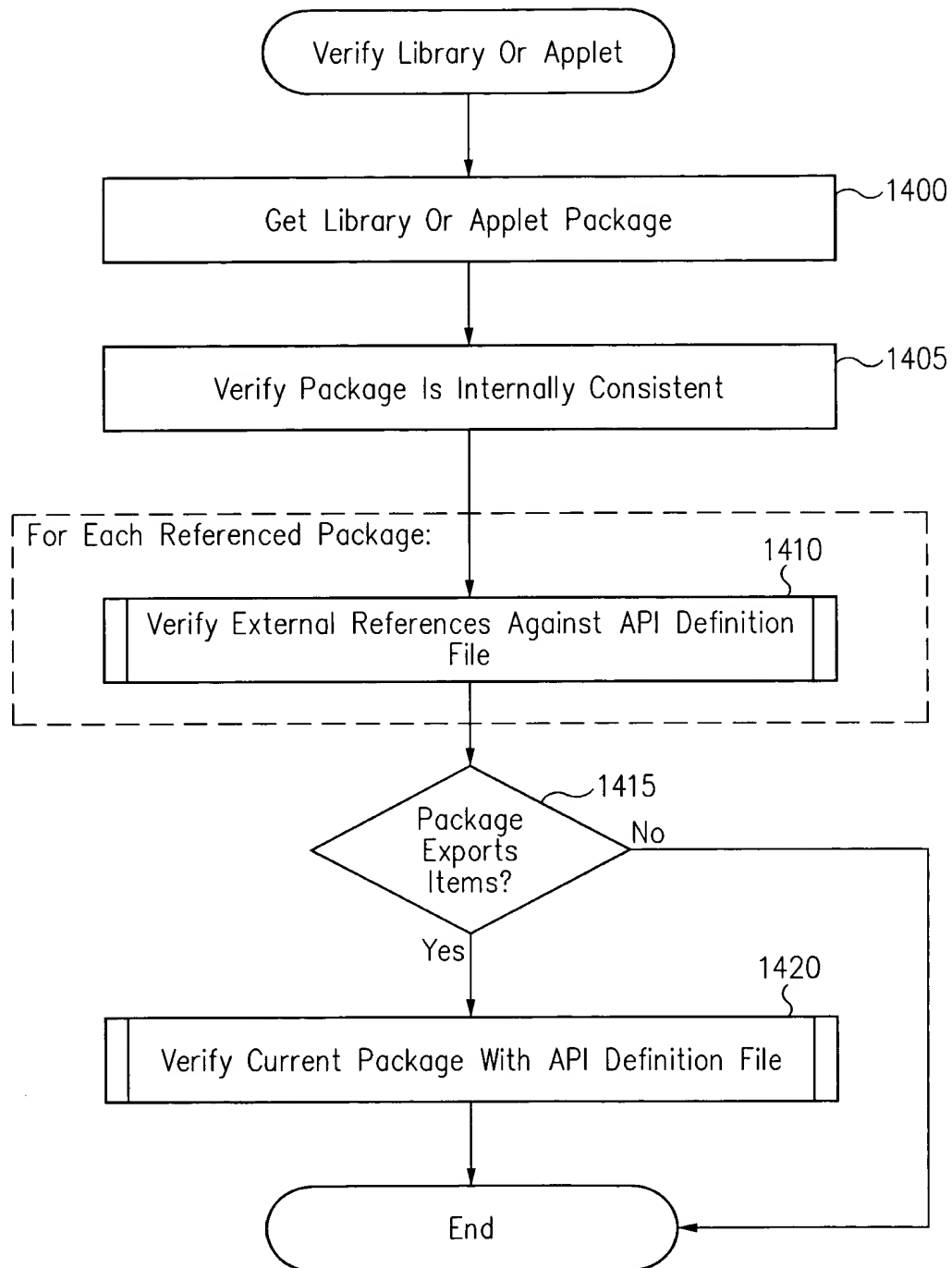


FIG. 16

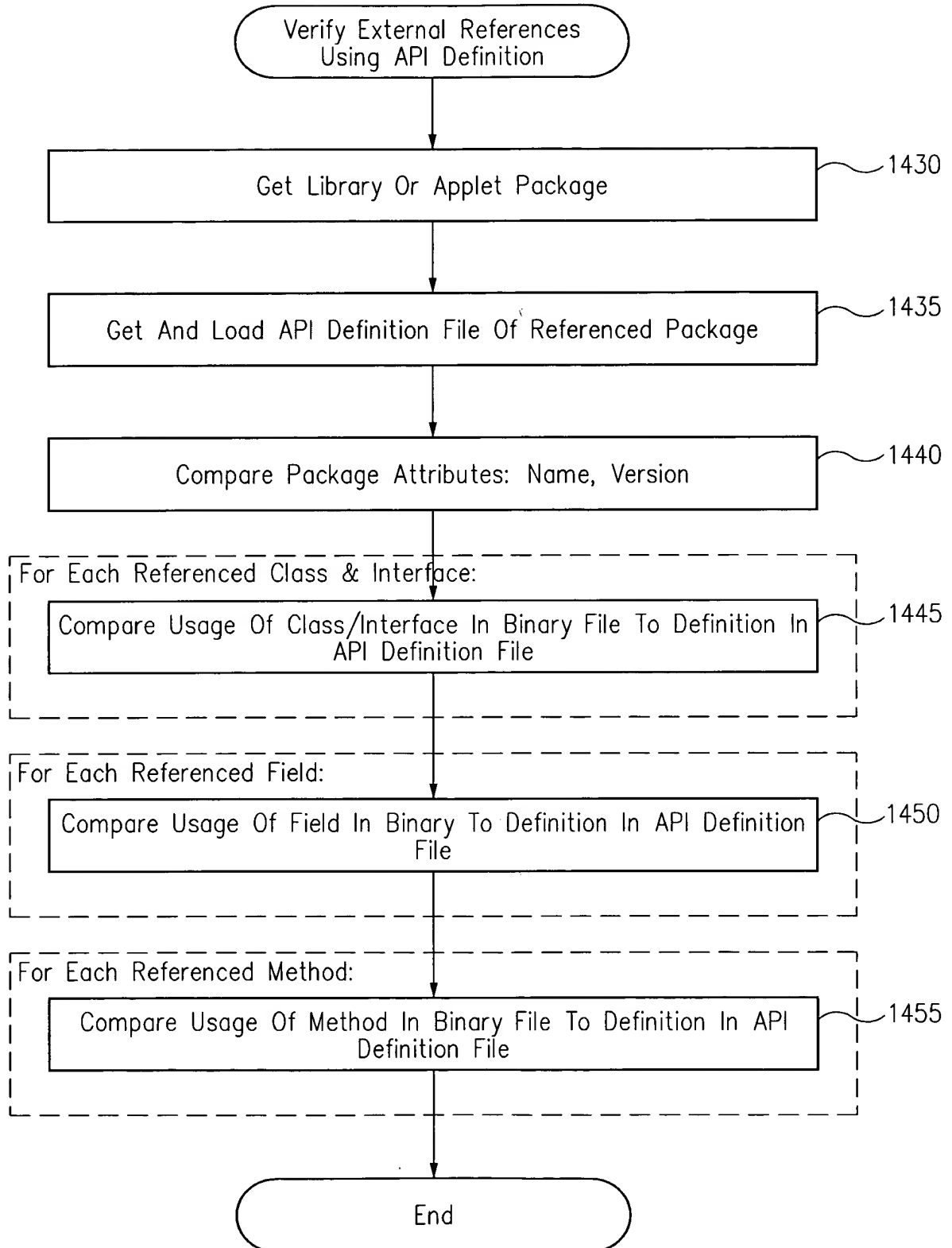


FIG. 17

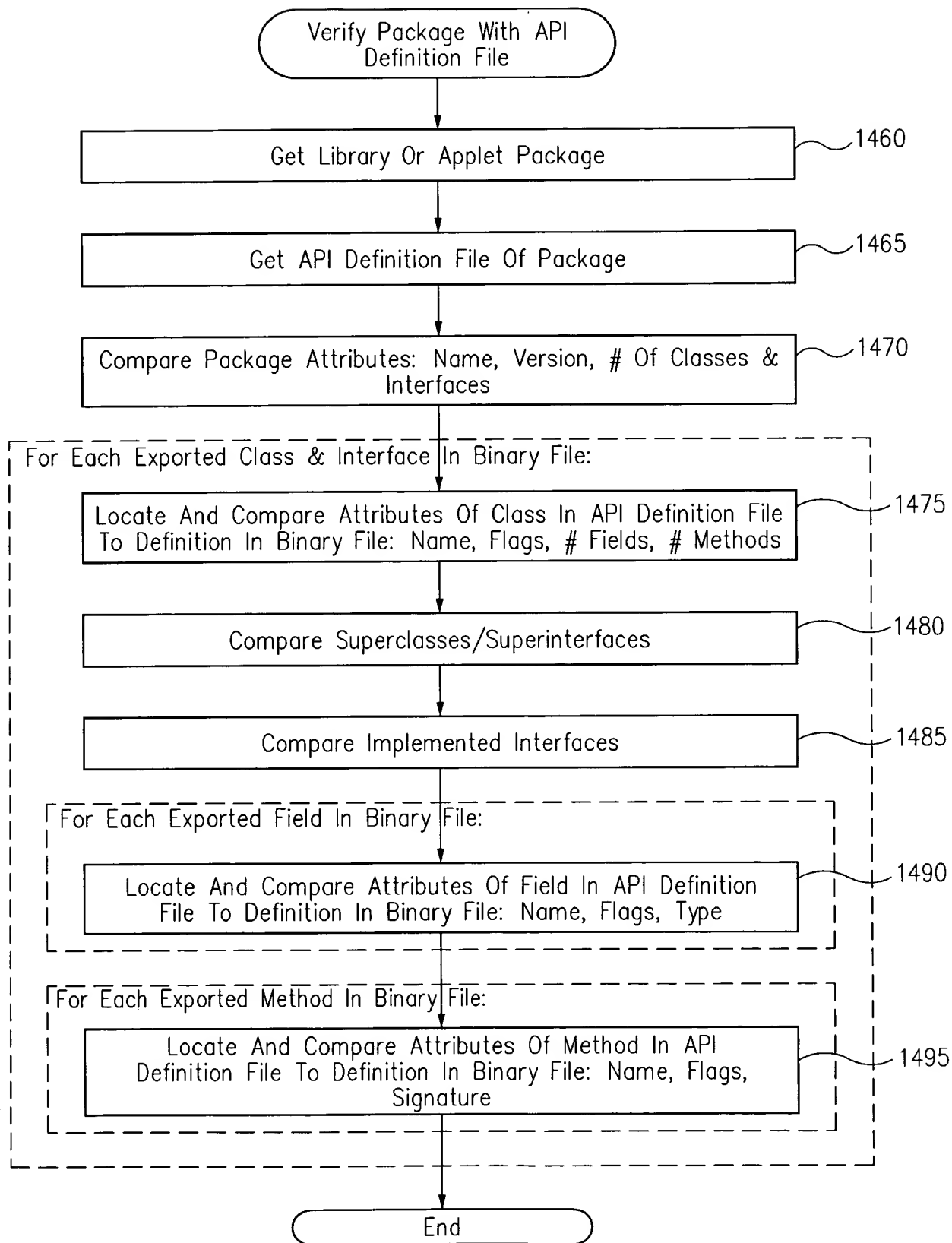


FIG. 18



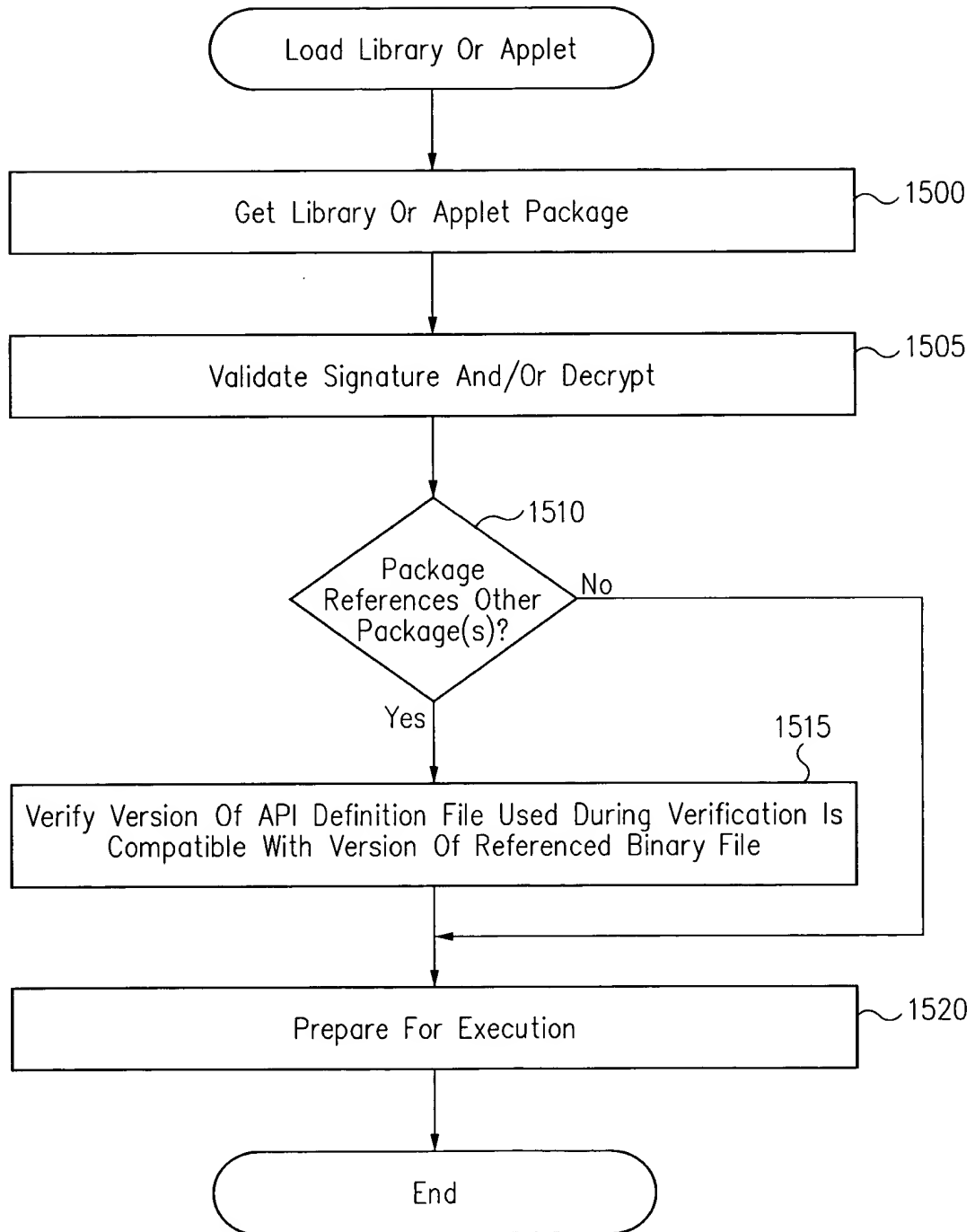


FIG. 19

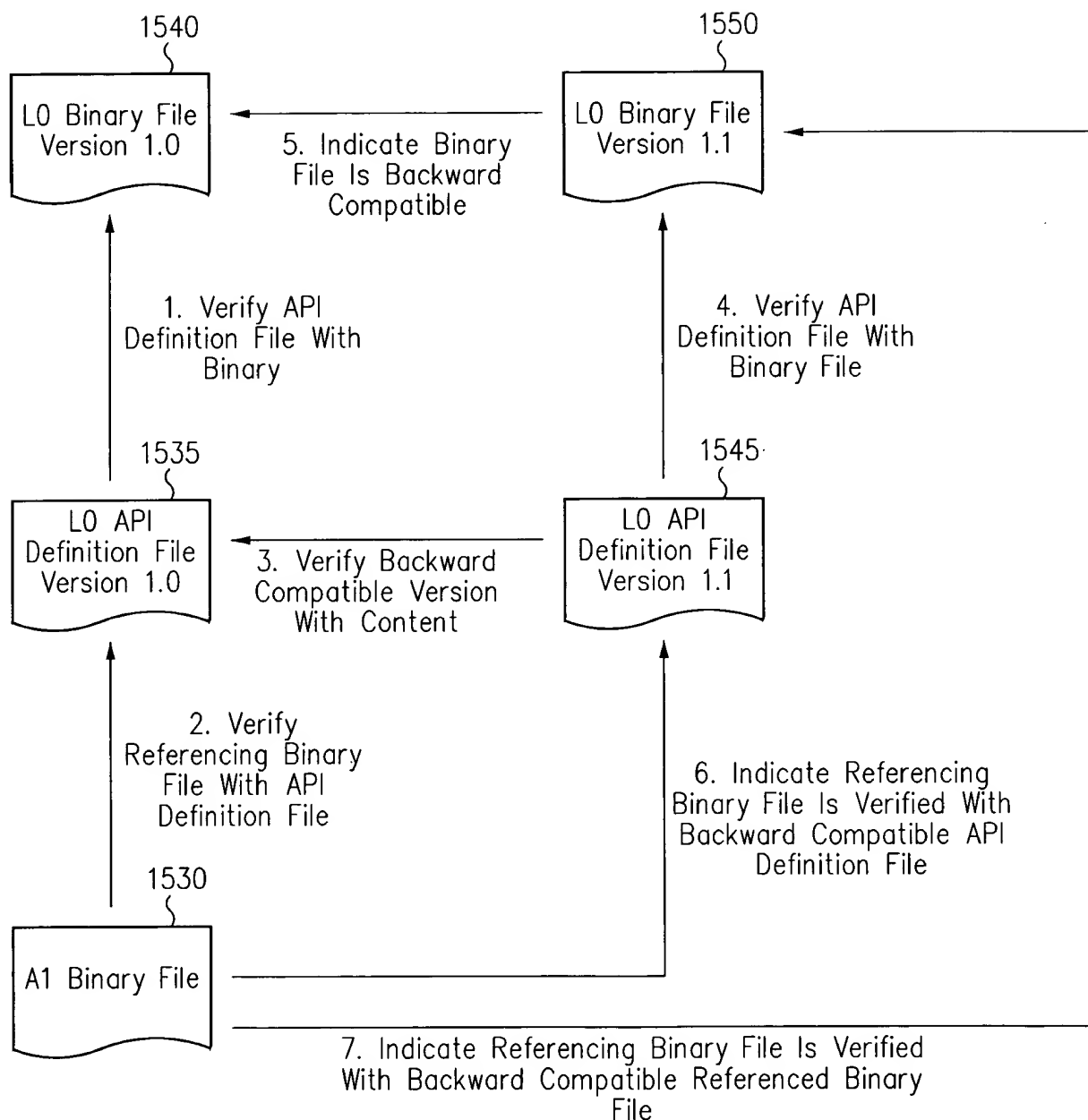


FIG. 20A

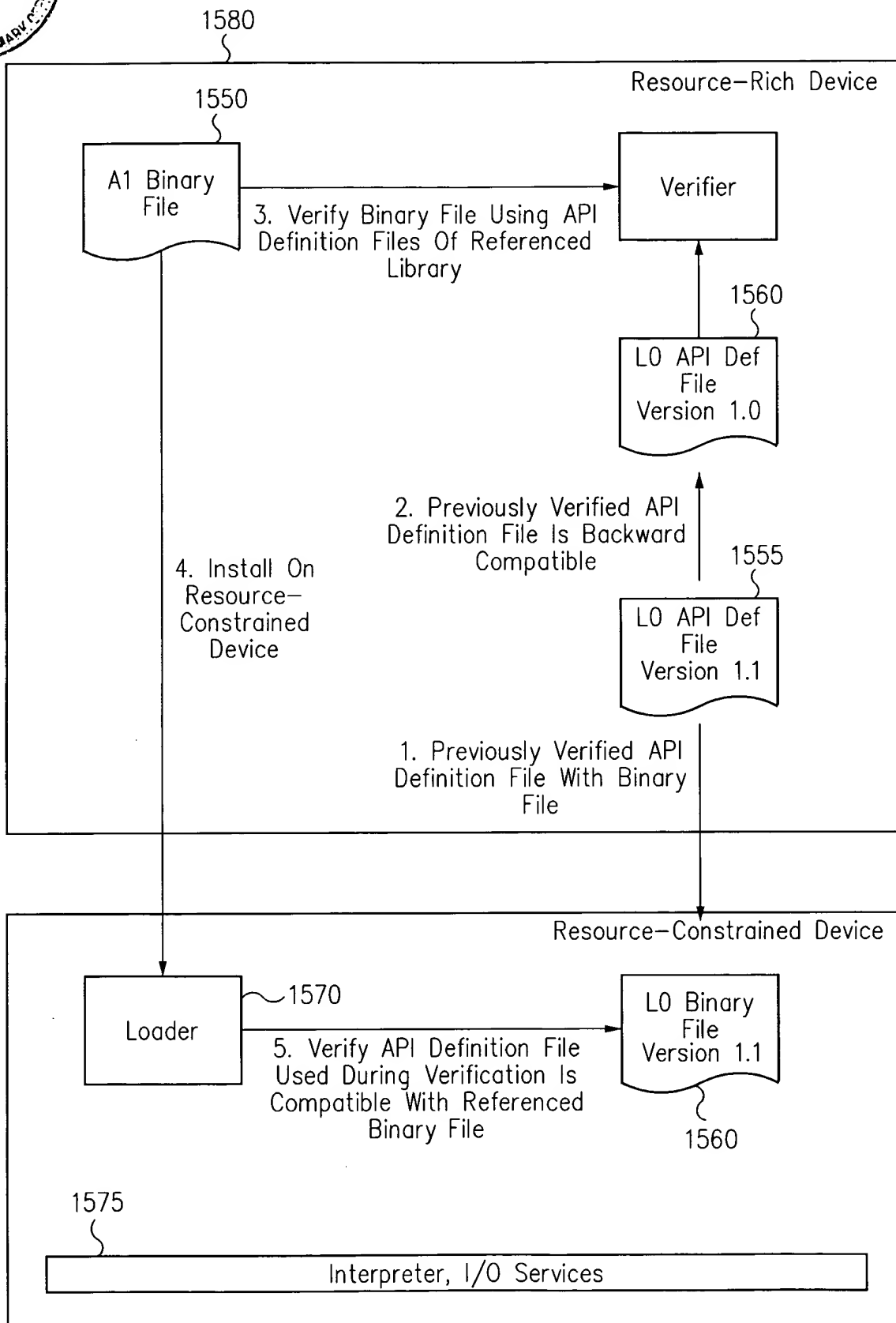


FIG. 20B

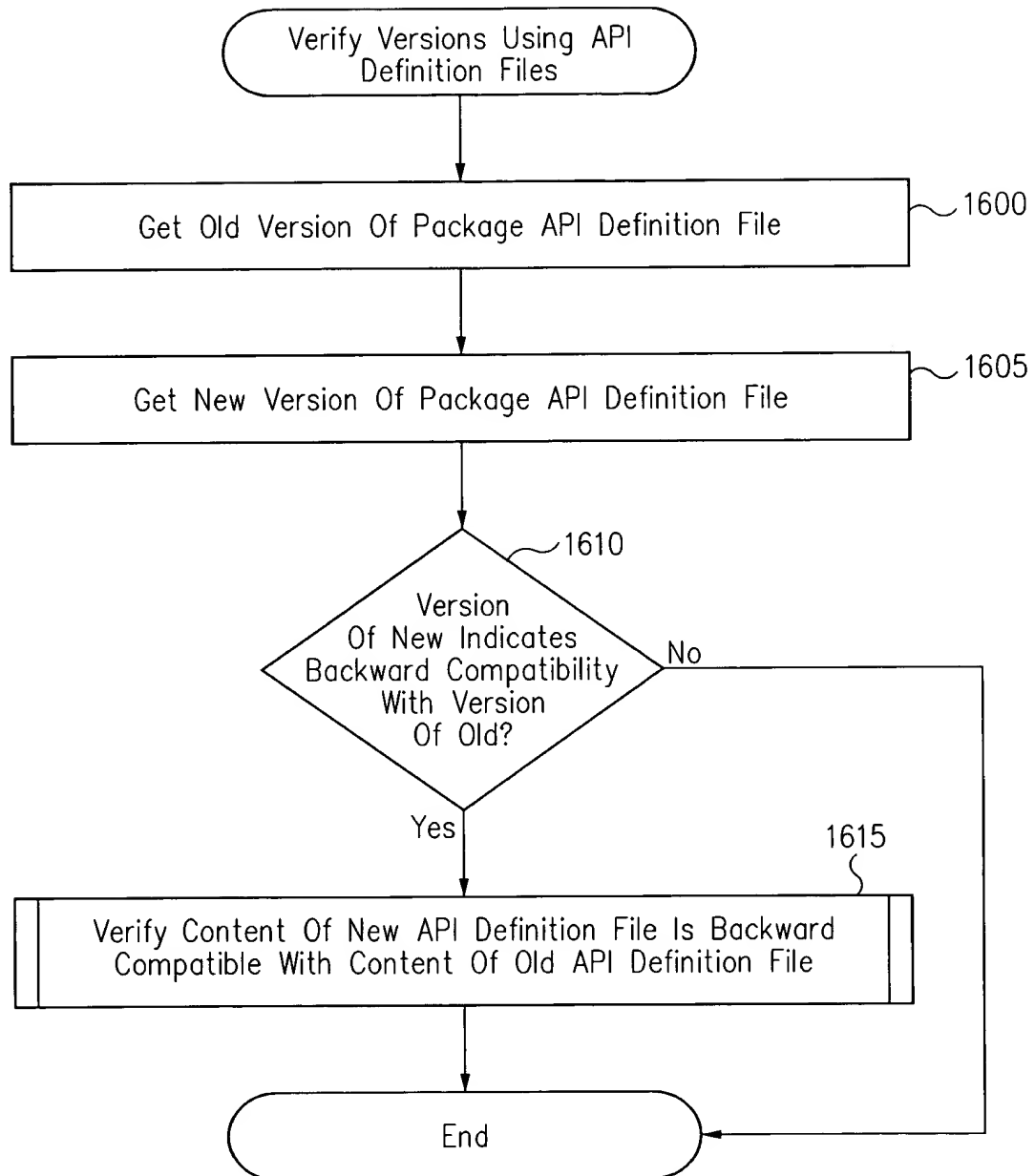


FIG. 20C

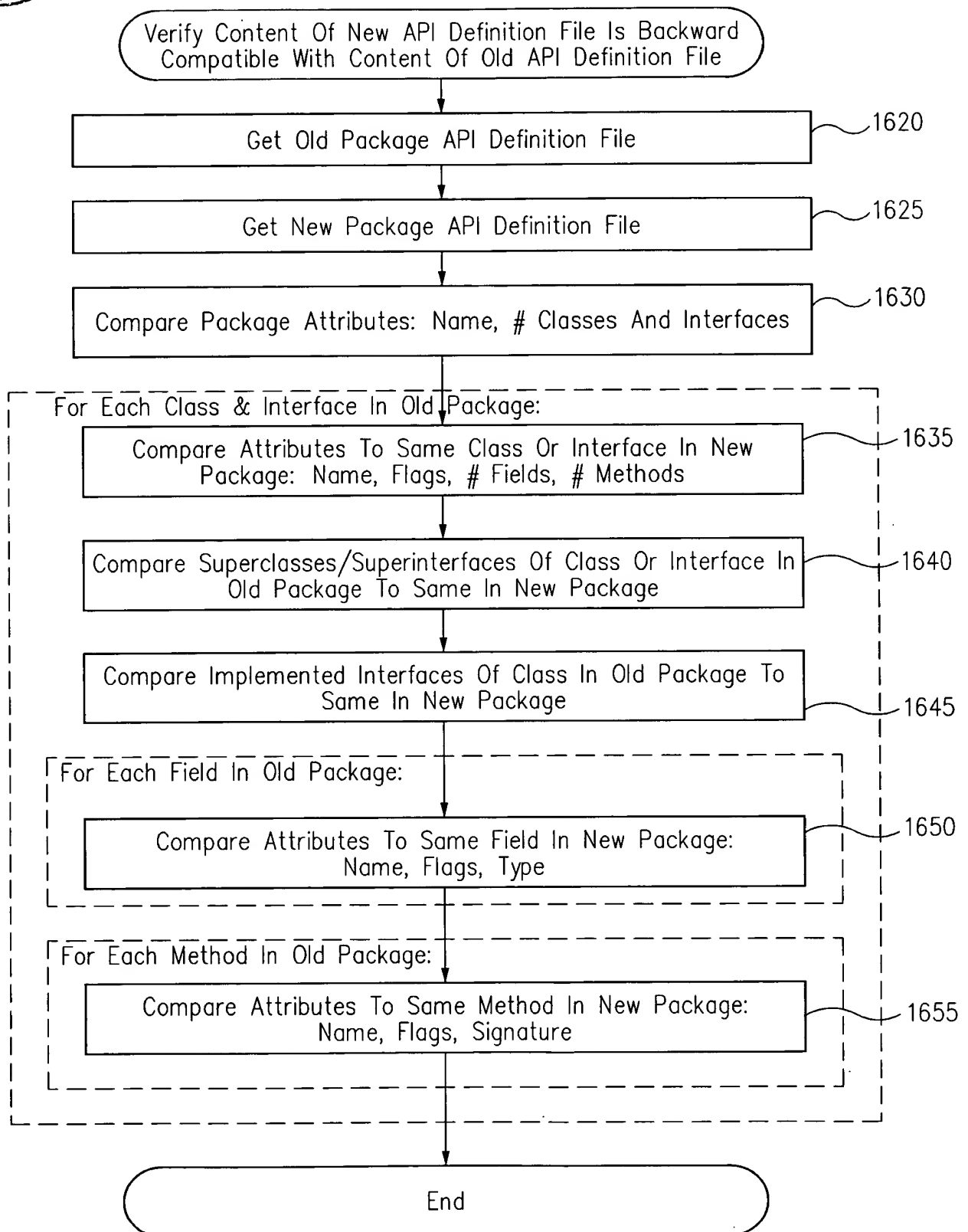
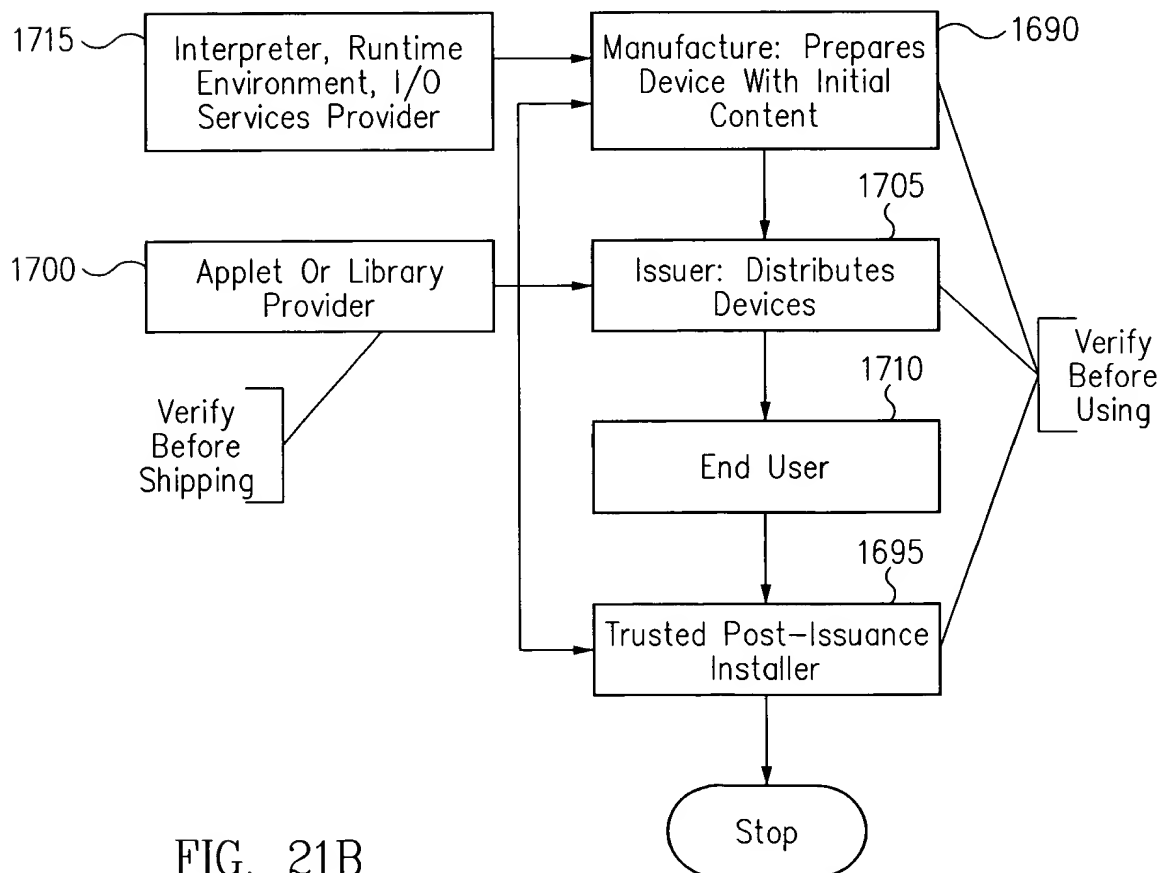
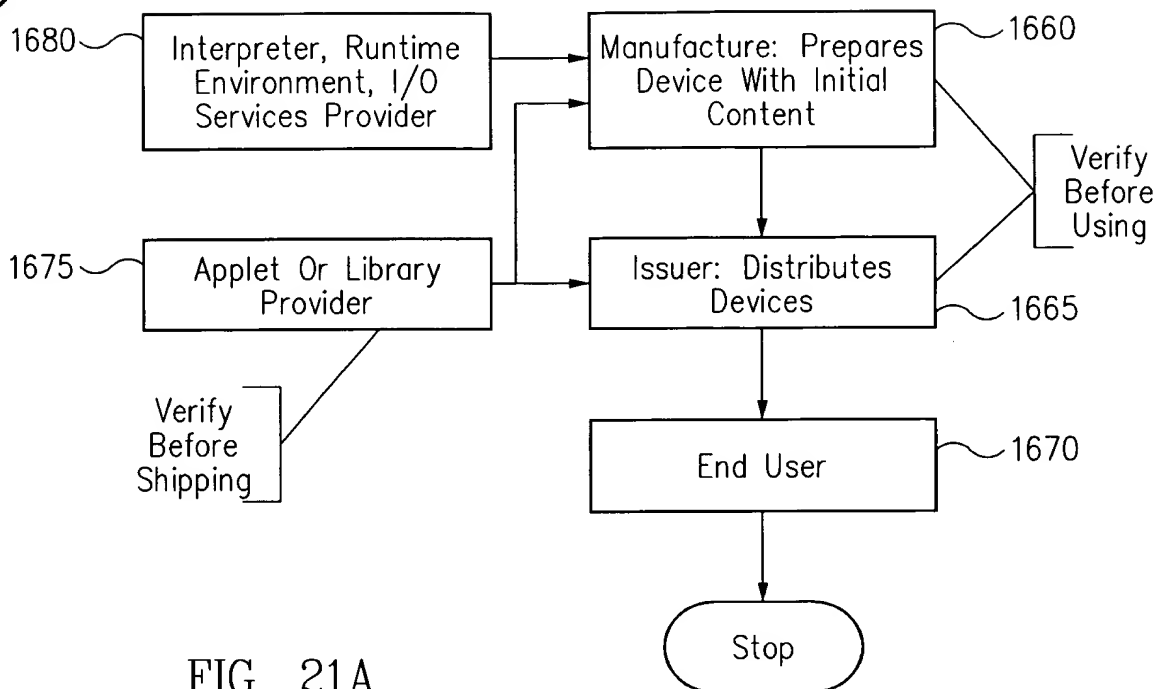


FIG. 20D



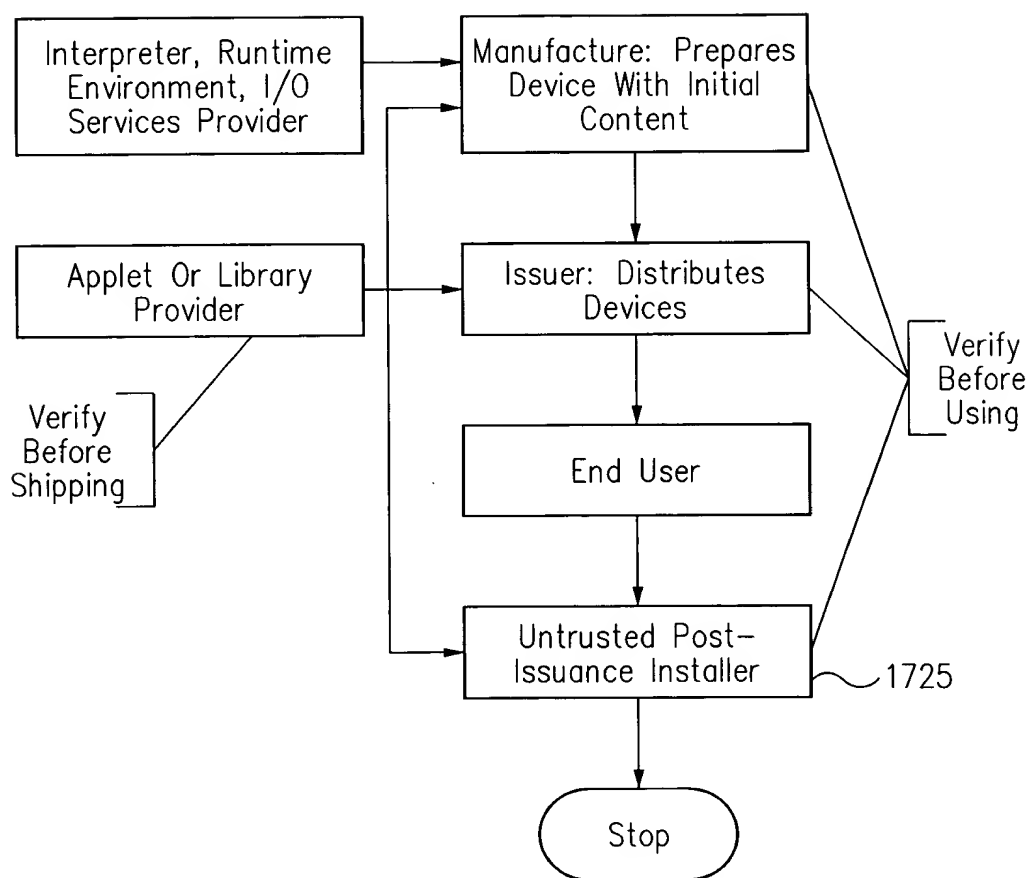


FIG. 21C

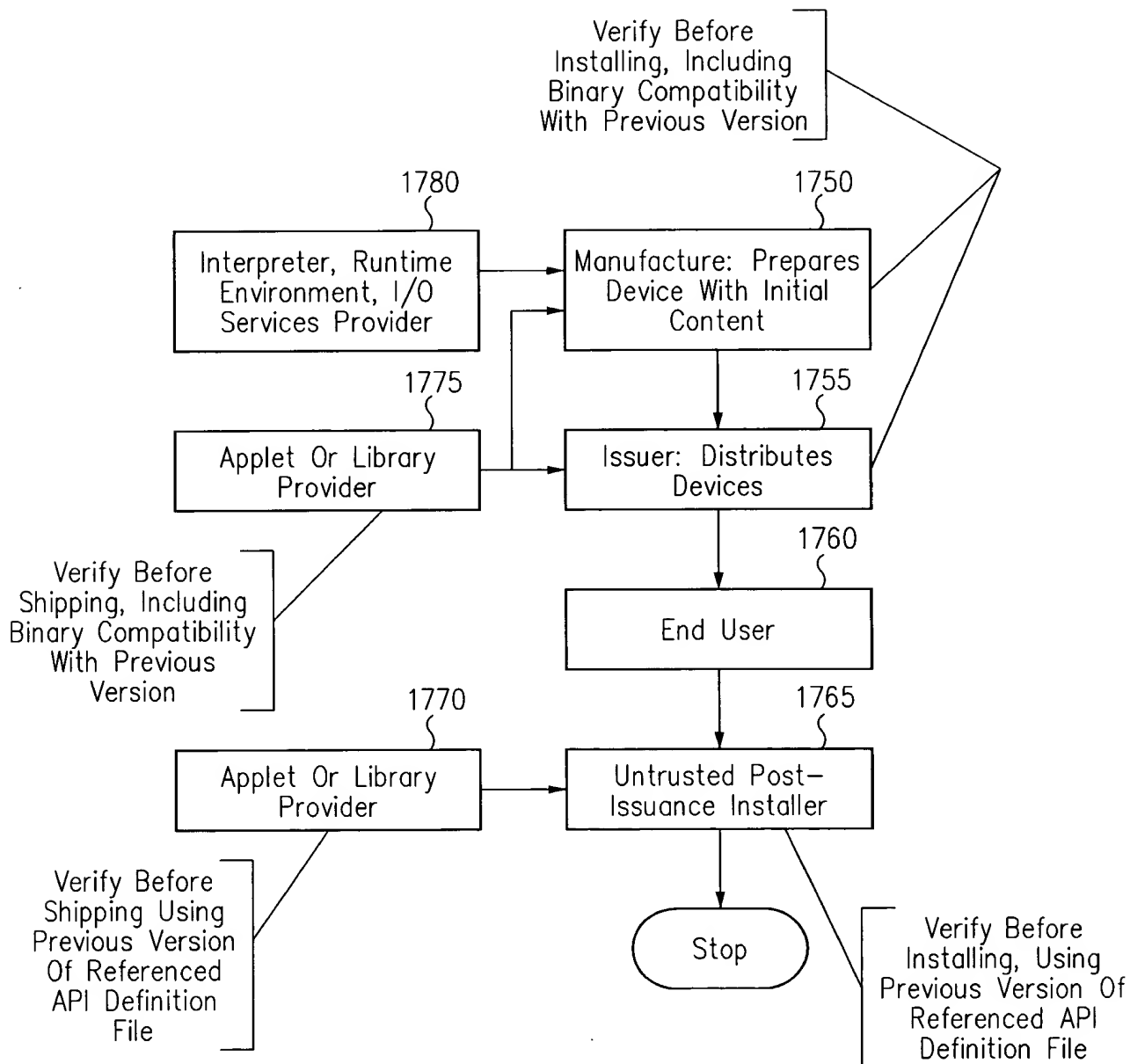


FIG. 21D